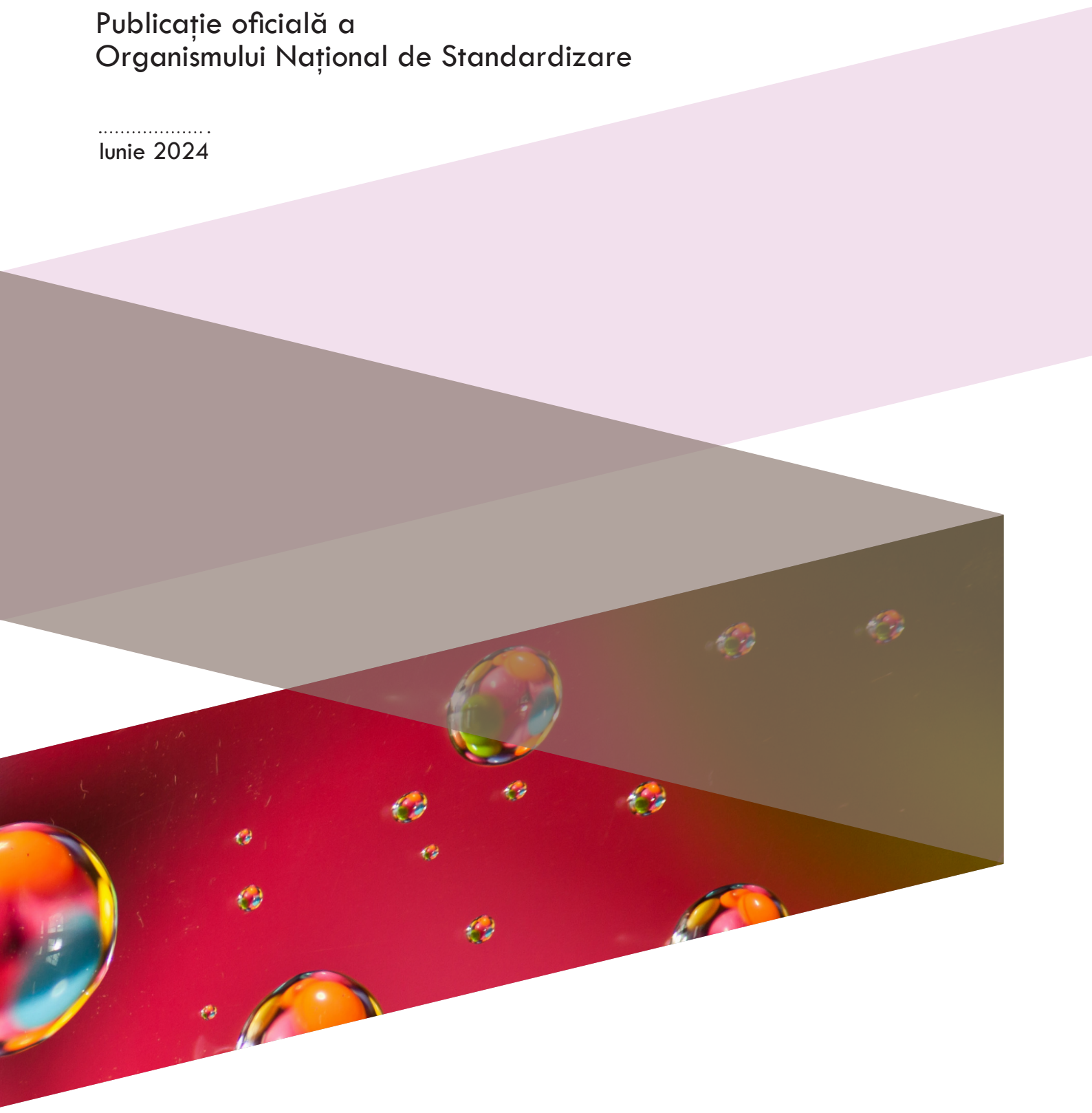




BULETINUL STANDARDIZĂRII

Publicație oficială a
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Iunie 2024



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STANDARDIZAREA NAȚIONALĂ

STANDARDE APROBATE

Standardele române de mai jos au fost aprobate în luna **mai 2024**. 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.

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Compatibilitate electromagnetică și probleme ale spectrului radio (ERM). Dispozitive de distanță mică (SRD). Caracteristici tehnice pentru echipamentele SRD care utilizează tehnologie cu bandă ultra-largă (UWB). Echipamente de urmărire a locației care funcționează în intervalul de frecvență de la 6 GHz până la 9 GHz. Partea

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Radiodifuziune video digitală (DVB). Structura de cadru, codarea canalului și modulația pentru televiziunea terestră digitală pentru servicii prin satelit către dispozitive portabile (SH) sub 3 GHz
Inlocuiește SR EN 302 583 V1.1.1:2024

CT 6**SR EN 302 583 V1.2.1:2024****A**

Radiodifuziune video digitală (DVB). Structura de cadru, codarea canalului și modulația pentru televiziunea terestră digitală pentru servicii prin satelit către dispozitive portabile (SH) sub 3 GHz
Inlocuiește SR EN 302 583 V1.1.2:2024

CT 23**SR EN IEC 61918:2019/A2:2024****A**

Rețele de comunicație industriale. Instalarea rețelelor de comunicație în locații industriale

33.060.01 Radiocomunicații în general**CT 6****SR EN 302 550-1-1 V1.1.1:2024****A**

Sisteme și stații terestre pentru sateliți (SES). Sisteme de radio digital prin satelit (SDR). Partea 1: Stratul fizic al interfeței radio. Sub-partea 1: Stratul fizic exterior

33.060.20 Echipamente de primire și de transmitere date**CT 6****SR EN 302 550-1-2 V1.1.1:2024****A**

Sisteme și stații terestre pentru sateliți (SES). Sisteme de radio digital prin satelit (SDR). Partea 1: Stratul fizic al interfeței radio. Sub-partea 2: Strat fizic interior Modulație cu o singură purtătoare

CT 6**SR EN 302 550-1-3 V1.1.1:2024****A**

Sisteme și stații terestre pentru sateliți (SES). Sisteme de radio digital prin satelit (SDR). Partea 1: Stratul fizic al interfeței radio. Sub-partea 3: Strat fizic interior Modulație multi purtătoare

CT 6

SR EN 300 903 V8.1.1:2024

A

Sistem celular digital de telecomunicații (Faza 2+). Aspectele planificării transmisiei serviciului de vorbire în sistemul rețelei mobile, terestre, publice (PLMN) GSM (GSM 03.50 versiune 8.0.1 ediția 1999)

Inlocuieste SR EN 300 903 V8.0.1:2024

33.060.30 Radiorelee și sisteme fixe de comunicații prin satelit

CT 6

SR EN 302 062 V1.1.1:2024

A

Sisteme radio fixe. Echipamente punct la punct. Sisteme de relee radio digitale de mare capacitate care transportă semnale STM-4, 4 x STM-1 sau 2 x STM-1 în benzi cu distanță între canale de 55/56 MHz

CT 6

SR EN 302 063 V1.1.1:2024

A

Sisteme radio fixe. Echipamente multipunct. Sisteme radio digitale multipunct care operează în intervalul de frecvență de la 31,0 GHz până la 33,4 GHz (32 GHz)

CT 6

SR EN 302 326-1 V1.1.1:2024

A

Sisteme de radio fixe. Echipamente multipunct și antene. Partea 1: Prezentare generală și cerințe pentru sistemele radio digitale multipunct

CT 6

SR EN 302 078 V1.1.1:2024

A

Sisteme radio fixe. Antene multipunct. Antene polarizate circular pentru sisteme radio fixe multipunct operând în banda de la 1 GHz până la 11 GHz

CT 6

SR EN 302 085 V1.2.3:2024

A

Sisteme de radio fixe. Antene punct-la-multipunct. Antene pentru sisteme de radio fixe punct-la-multipunct operând în banda de la 3 GHz până la 11 GHz

Inlocuieste SR EN 302 085:2004

CT 6

SR EN 302 326-1 V1.2.2:2024

A

Sisteme de radio fixe. Echipamente multipunct și antene. Partea 1: Prezentare generală și cerințe pentru sistemele radio digitale multipunct

Inlocuieste SR EN 302 326-1 V1.1.1:2024

33.070.10 Rețele radio transeuropene (TETRA)

CT 6

SR EN 302 096 V0.2.3:2024

A

Telecomunicații digitale extinse fără fir (DECT). Mobilitatea terminalului fără cordon (CTM). Pachetul de caracteristici 1 (FP1). Profil de date cu comutare de circuite CTM, 32 kbit/s și 64 kbit/s Informații digitale nerestricționate (UDI)

CT 6

SR EN 302 109 V1.1.1:2024

A

Sisteme terestre de radio cu acces multiplu (TETRA). Securitate. Mecanism de sincronizare pentru criptare end-to-end

33.070.50 Sistem global de comunicații mobile-GSM

CT 6

SR EN 302 408 V7.1.1:2024

A

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Subsistemul radio CTS-FP (GSM 05.56 versiunea 7.1.1 Lansarea 1998)

CT 6

SR EN 302 404 V7.1.1:2024

A

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Straturile inferioare ale interfeței radio CTS. Etapa 2 (GSM 03.52 versiunea 7.1.1 Lansarea 1998)

CT 6

SR EN 302 405 V7.1.1:2024

A

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Descrierea arhitecturii CTS. Etapa 2 (GSM 03.56 versiunea 7.1.1 Lansarea 1998)

CT 6

SR EN 302 406 V7.1.1:2024

A

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Specificația de strat 3 a interfeței radio CTS (GSM 04.56 versiunea 7.1.1 Lansarea 1998)

CT 6

SR EN 302 407 V7.0.3:2024**A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Specificația de strat 3 a sistemului de supraveghere CTS (GSM 04.57 versiunea 7.0.3 Lansarea 1998)

CT 6**SR EN 302 403 V8.0.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Descrierea serviciului. Etapa 1 (GSM 02.56 versiunea 8.0.1 Lansarea 1999)

Inlocuieste SR EN 302 403 V7.2.1:2024

CT 6**SR EN 302 404 V8.0.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Straturile inferioare ale interfeței radio CTS. Etapa 2 (GSM 03.52 versiunea 8.0.1 Lansarea 1998)

Inlocuieste SR EN 302 404 V7.1.1:2024

CT 6**SR EN 302 408 V8.0.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Subsistemul radio CTS-FP (GSM 05.56 versiunea 8.0.1 Lansarea 1999)

Inlocuieste SR EN 302 408 V7.1.1:2024

CT 6**SR EN 302 406 V8.0.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Specificația de strat 3 a interfeței radio CTS (GSM 04.56 versiunea 8.0.1 Lansarea 1999)

Inlocuieste SR EN 302 406 V7.1.1:2024

CT 6**SR EN 302 407 V8.0.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Specificația de strat 3 a sistemului de supraveghere CTS (GSM 04.57 versiunea 8.0.1 Lansarea 1999)

Inlocuieste SR EN 302 407 V7.0.3:2024

**33.080 Rețele integrate de servicii
digitale (ISDN)**

CT 6**SR EN 301 924 V1.1.1:2024****A**

Rețea privată cu servicii integrate (PISN). Funcții de mapare pentru utilizarea conexiunilor în mod de circuit de 64 kbit/s cu sub-multiplexare de 8 kbit/s

CT 6**SR EN 301 989 V1.1.1:2024****A**

Rețele de telecomunicații corporative (CN). Interoperare de semnalizare între QSIG și H.323. Servicii suplimentare de completare a apelului

CT 6**SR EN 301 990 V1.1.1:2024****A**

Rețea privată cu servicii integrate (PISN). Specificație, model funcțional și fluxuri de informații. Serviciu de mesaje scurte serviciu suplimentar

CT 6**SR EN 301 991 V1.1.1:2024****A**

Rețea privată cu servicii integrate (PISN). Protocolul de semnalizare între centrale. Serviciu de mesaje scurte

CT 6**SR EN 301 937 V1.1.1:2024****A**

Servicii și protocoale pentru rețele avansate (SPAN). Portabilitatea numerelor pentru serviciile ETNS

CT 6**SR EN 301 933-1 V1.1.1:2024****A**

Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS3). Protocol de aplicație pentru rețea inteligentă (INAP). Specificația structurii setului de teste și a scopurilor testelor (TSS și TP) pentru funcția de comutație a serviciilor (SSF). Partea 1: Setul de capabilități de bază al CS3

CT 6**SR EN 301 933-2 V1.1.1:2024****A**

Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS3). Protocol de aplicație pentru rețea inteligentă (INAP). Specificația structurii setului de teste și a scopurilor testelor (TSS și TP) pentru funcția de comutație a serviciilor (SSF). Partea 2: Tratatul apelului (CPH)

CT 6

SR EN 301 933-3 V1.1.1:2024

A
Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS3). Protocol de aplicație pentru rețea inteligentă (INAP). Specificația structurii setului de teste și a scopurilor testelor (TSS și TP) pentru funcția de comutație a serviciilor (SSF). Partea 3: Funcția de resurse specializate (SRF)

CT 6

SR EN 301 934-1 V1.1.1:2024

A
Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS-3). Specificația setului de încercări abstracte (ATS) și a proformei pentru informația suplimentară privind implementarea parțială a protocolului pentru încercare (PIXIT). Partea 1: Setul de capabilități de bază al CS3

CT 6

SR EN 301 934-2 V1.1.1:2024

A
Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS3). Specificația setului de încercări abstracte (ATS) și a proformei pentru informația suplimentară privind implementarea parțială a protocolului pentru încercare (PIXIT). Partea 2: Tratarea apelului (CPH)

CT 6

SR EN 302 094-4 V1.1.1:2024

A
Rețea digitală cu servicii integrate (ISDN). Protocolul sistemului de semnalizare Nr. 1 (DSS1) pentru abonatul digital și protocoalele sistemului de semnalizare Nr. 7 (SS7). Serviciul suplimentar de redirecționare a apelurilor inaccesibile (CFNRC) pentru Mobilitatea terminalului fără cordon (CTM) faza 1. Partea 4: Specificația setului de încercări abstracte (ATS) și a proformei pentru informația suplimentară privind implementarea parțială a protocolului pentru încercare (PIXIT) pentru utilizator

CT 6

SR EN 302 094-6 V1.1.1:2024

A
Rețea digitală cu servicii integrate (ISDN). Protocolul sistemului de semnalizare Nr. 1 (DSS1) pentru abonatul digital și protocoalele sistemului de semnalizare Nr. 7 (SS7). Serviciul suplimentar de redirecționare a apelurilor inaccesibile (CFNRC) pentru Mobilitatea terminalului fără cordon (CTM) faza 1. Partea 6: Specificația setului de încercări abstracte (ATS) și a proformei pentru informația suplimentară privind implementarea parțială a protocolului pentru încercare (PIXIT) pentru rețea

CT 6

SR EN 302 091-1 V1.1.3:2024

A
Rețea digitală cu servicii integrate de bandă largă (B-ISDN) și rețea cu servicii integrate private de bandă largă (B-PISN). Protocolul sistemului de semnalizare Nr. 2 (DSS2) pentru abonatul digital. Semnalizarea interschimbului de bandă largă (B-QSIG) și Sistemul de semnalizare nr. 7 (SS7). Prenegociare. Partea 1: Specificația protocolului

CT 6

SR EN 302 091-2 V1.1.3:2024

A
Rețea digitală cu servicii integrate de bandă largă (B-ISDN) și rețea cu servicii integrate private de bandă largă (B-PISN). Protocolul sistemului de semnalizare Nr. 2 (DSS2) pentru abonatul digital. Semnalizarea interschimbului de bandă largă (B-QSIG) și Sistemul de semnalizare nr. 7 (SS7). Prenegociare. Partea 2: Declarația de Conformitate a Implementării Protocolului (PICS) Specificație proformă

CT 6

SR EN 302 092-1 V1.2.2:2024

A
Rețea digitală cu servicii integrate de bandă largă (B-ISDN) și rețea cu servicii integrate private de bandă largă (B-PISN). Protocolul sistemului de semnalizare Nr. 2 (DSS2) pentru abonatul digital. Semnalizarea interschimbului de bandă largă (B-QSIG) și Sistemul de semnalizare nr. 7 (SS7). Controlul apelurilor într-un mediu separat de control al apelurilor și al purtătorului. Partea 1: Specificația protocolului

CT 6

SR EN 302 092-2 V1.2.2:2024

A
Rețea digitală cu servicii integrate de bandă largă (B-ISDN) și rețea cu servicii integrate private de bandă largă (B-PISN). Protocolul sistemului de semnalizare Nr. 2 (DSS2) pentru abonatul digital. Semnalizarea interschimbului de bandă largă (B-QSIG) și Sistemul de semnalizare nr. 7 (SS7). Controlul apelurilor într-un mediu separat de control al apelurilor și al purtătorului. Partea 2: Declarația de Conformitate a Implementării Protocolului (PICS) Specificație proformă

CT 6

SR EN 302 094-1 V1.1.3:2024

A
Rețea digitală cu servicii integrate (ISDN). Protocolul sistemului de semnalizare Nr. 1 (DSS1) pentru abonatul digital și protocoalele sistemului de semnalizare Nr. 7 (SS7). Serviciul suplimentar de redirecționare a apelurilor inaccesibile (CFNRC) pentru Mobilitatea terminalului fără cordon (CTM) faza 1. Partea 1: Specificația protocolului

CT 6**SR EN 302 094-2 V1.1.3:2024****A**

Rețea digitală cu servicii integrate (ISDN). Protocolul sistemului de semnalizare Nr. 1 (DSS1) pentru abonatul digital și protocoalele sistemului de semnalizare Nr. 7 (SS7). Serviciul suplimentar de redirecționare a apelurilor inaccesibile (CFNRc) pentru Mobilitatea terminalului fără cordon (CTM) faza 1. Partea 2: Declarația de Conformitate a Implementării Protocolului (PICS) Specificație proformă

33.100.01 Compatibilitate electromagnetică în general**CT 6****SR EN 302 403 V7.2.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Descrierea serviciului. Etapa 1 (GSM 02.56 versiunea 7.2.1 Lansarea 1998)

33.100.10 Emisie**CT 30****SR EN 61000-3-12:2012/A1:2024****A**

Compatibilitate electromagnetică (CEM). Partea 3-12: Limite. Limite pentru curenții armonici produși de echipamentele conectate la rețelele publice de joasă tensiune, cu un curent absorbit > 16 A și ≤ 75 A pe fază

CT 30**SR EN IEC 61000-3-2:2019/A2:2024****A**

Compatibilitate electromagnetică (CEM). Partea 3-2: Limite. Limite pentru emisiile de curenți armonici (curent de intrare al echipamentelor ≤ 16 A pe fază)

33.120.10 Cabluri coaxiale. Ghiduri de undă**CT 160****SR EN IEC 60966-2-2:2024****A**

Ansambluri de cordoane coaxiale și cordoane pentru radiofrecvență. Partea 2-2: Specificație particulară cadru pentru cordoane coaxiale flexibile

Inlocuieste SR EN 60966-2-2:2004

CT 160**SR EN IEC 60966-4:2024****A**

Ansambluri de cordoane coaxiale și cordoane pentru radiofrecvență. Partea 4: Specificație

intermediară pentru cordoane coaxiale semirigide
Inlocuieste SR EN 60966-4:2004

CT 160**SR EN IEC 60966-4-1:2024****A**

Ansambluri de cordoane coaxiale și cordoane pentru radiofrecvență. Partea 4-1: Specificație particulară cadru pentru cordoane coaxiale semirigide

Inlocuieste SR EN 60966-4-1:2004

33.160.01 Tehnici audio, video și audiovizuale în general**CT 375****SR EN IEC 62368-1:2024****A**

Echipamente audio/video și pentru tehnologia informației și comunicațiilor. Partea 1: Cerințe de securitate

Inlocuieste SR EN IEC 62368-1:2020

CT 375**SR EN IEC 62368-1:2024/A11:2024****A**

Echipamente audio/video și pentru tehnologia informației și comunicațiilor. Partea 1: Cerințe de securitate

33.180.20 Dispozitive de interconectare prin fibre optice**CT 138****SR EN IEC 61300-2-44:2024****A**

Dispozitive de interconectare și componente pasive cu fibre optice. Metode fundamentale de încercare și de măsurare. Partea 2-44: Încercări. Încovoierea clemei de cablu la dispozitivele cu fibre optice

Inlocuieste SR EN 61300-2-44:2014

CT 138**SR EN IEC 63267-2-2:2024****A**

Dispozitive de interconectare și componente pasive cu fibre optice. Interfețe optice pentru conectori de fibre multimod de îndoire macro îmbunătățită. Partea 2-2: Parametrii de conectare ai fibrelor care intră în contact fizic cu un diametru al miezului de 50 μm. Fără unghi și unghi pentru aplicații cu conectori de referință

CT 138**SR EN IEC 63267-2-1:2024****A**

Dispozitive de interconectare și componente pasive cu fibre optice. Interfețe optice pentru

conectori de fibre multimod de îndoire macro îmbunătățită. Partea 2-1: Parametrii de conectare ai fibrelor cu diametrul miezului de 50 μm în contact fizic. Fără unghi

CT 138

SR EN IEC 61753-071-02:2020/A1:2024

A

Standard de performanță pentru dispozitive de interconectare a fibrei optice și componente pasive. Partea 071-02: Comutatoare spațiale 1 × 2 și 2 × 2 fără conectare, pentru fibre optice monomod categoria C. Mediu controlat

35.020 Tehnologia informației (IT) în general

CT 375

SR EN IEC 62368-1:2024

A

Echipeamente audio/video și pentru tehnologia informației și comunicațiilor. Partea 1: Cerințe de securitate

Inlocuieste SR EN IEC 62368-1:2020

CT 375

SR EN IEC 62368-1:2024/A11:2024

A

Echipeamente audio/video și pentru tehnologia informației și comunicațiilor. Partea 1: Cerințe de securitate

35.080 Software

CT 54

SR EN ISO 9241-115:2024

A

Ergonomia interacțiunii om-sistem. Partea 115: Linii directe privind proiectarea conceptuală, proiectarea interacțiunii utilizator-sistem, proiectarea interfeței utilizator și proiectarea navigației

Inlocuieste SR EN ISO 14915-2:2004

35.240.50 Aplicații IT în industrie

CT 23

SR EN IEC 61918:2019/A2:2024

A

Rețele de comunicație industriale. Instalarea rețelelor de comunicație în locații industriale

35.240.63 Aplicații IT în comerț

CT 388

SR EN 17015-1:2024

A

Achiziții Publice Electronice. Catalog. Partea 1: Coregrafii

CT 388

SR EN 17016-1:2024

A

Achiziții Publice Electronice. Comenzi. Partea 1: Coregrafii

39.060

Giuvaergerie

CT 126

SR EN ISO 11427:2024

A

Bijuterii și metale prețioase. Determinarea argintului. Metoda potențimetrică cu bromură de potasiu

Inlocuieste SR EN ISO 11427:2017

45.020

Ingineria căilor ferate în general

CT 146

SR EN 17929:2024

A

Servicii de transport hyperloop

45.040

Materiale și componente pentru

căi ferate

CT 146

SR EN 16451:2024

A

Aplicații feroviare. Frânare. Portgarnituri

Inlocuieste SR EN 16451:2015

45.060.01

Material rulant pentru căi ferate

în general

CT 146

SR EN 17149-2:2024

A

Aplicații feroviare. Evaluarea rezistenței structurii vehiculelor feroviare. Partea 2: Evaluarea rezistenței statice

CT 146

SR EN 17149-1:2024

A

Aplicații feroviare. Evaluarea rezistenței structurii vehiculelor feroviare. Partea 1: Generalități

CT 146

SR EN 14067-4:2024

A

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

Inlocuieste SR EN 14067-4+A1:2019

47.020.70 Echipament pentru navigație și control
CT 199
SR ISO 11674:2024
FCT
 Nave și tehnologie maritimă. Sistem de control al direcției de deplasare
 Inlocuieste SR EN ISO 11674:2002

47.080 Nave de agrement
CT 199
SR EN ISO 10240:2024
A
 Nave mici. Manualul proprietarului
 Inlocuieste SR EN ISO 10240:2020

49.025.10 Oțeluri
CT 72
SR EN 4877-001:2024
A
 Serie aerospațială. Metale de aport pentru sudare. Partea 001: Specificație tehnică
 Inlocuieste SR EN 3879:2023

49.025.15 Aliaje neferoase în general
CT 72
SR EN 4877-001:2024
A
 Serie aerospațială. Metale de aport pentru sudare. Partea 001: Specificație tehnică
 Inlocuieste SR EN 3879:2023

49.060 Echipament electric
CT 72
SR EN 3774-004:2024
A
 Serie aerospațială. Disjunctoare tripolare compensate cu temperatura, curenți nominali de la 1 A până la 25 A. Partea 004: Borne cu filet UNC. Standard de produs
 Inlocuieste SR EN 3774-004:2014

53.020.99 Alte instalații de ridicat
CT 85
SR EN 1570-1:2024
A
 Cerințe de securitate pentru plăcile de ridicare. Partea 1: Plăci de ridicare care se utilizează până la două paliere fixe
 Inlocuieste SR EN 1570-1+A1:2015

53.100 Mașini și utilaje pentru lucrări terasiere
CT 218
SR EN ISO 3164:2013/A1:2024
A
 Mașini de terasament. Evaluarea în laborator a structurilor de protecție. Specificații pentru volumul limită de deformare. Amendament 1

55.020 Ambalaje și distribuirea mărfurilor în general
CT 146
SR EN 17929:2024
A
 Servicii de transport hyperloop

55.080 Saci. Pungi
CT 270
SR EN ISO 7965-1:2024
A
 Ambalaje. Saci. Încercare la cădere liberă. Partea 1: Saci de hârtie
 Inlocuieste SR EN 27965-1:1995

59.140.30 Piei și blănuri
CT 102
SR EN ISO 20433:2024
A
 Piele. Încercări pentru rezistența culorii. Rezistența culorii la frecare
 Inlocuieste SR EN ISO 20433:2013

65.080 Îngrășăminte
CT 105
SR EN 1482-4:2024
A
 Îngrășăminte și amendamente minerale bazice. Eșantionare și prepararea eșantioanelor. Partea 4: Eșantionarea pentru determinarea prezenței microbiene
CT 285
SR EN 12579:2024
A
 Amelioratori de sol și substraturi de cultură. Eșantionare
 Inlocuieste SR EN 12579:2014

67.200.10 Uleiuri și grăsimi vegetale și animale
CT 180

SR EN ISO 20122:2024

A

Uleiuri vegetale. Determinarea hidrocarburilor saturate de ulei mineral (MOSH) și a hidrocarburilor aromatice de ulei mineral (MOAH) prin analiză cu cromatografie de înaltă performanță cuplată online cu cromatografie gazoasă și detectare cu ionizare în flacără (HPLC-GC-FID). Metodă pentru limita scăzută de cuantificare

71.120.99 Alte echipamente pentru industria chimică

CT 108

SR EN ISO 5771:2024

A

Furtunuri și ansambluri de furtunuri din cauciuc, pentru transferul amoniacului anhidru. Specificație

Inlocuieste SR EN ISO 5771:2009

75.060 Gaz natural

CT 357

SR CEN ISO/TS 2610:2024

NCT

Analiza gazelor naturale. Biometan. Determinarea conținutului de amine

CT 357

SR EN ISO 2611-1:2024

A

Analiza gazelor naturale. Conținutul de halogeni al biometanului. Partea 1: Determinarea conținutului de HCl și HF prin cromatografie ionică

CT 357

SR EN ISO 2620:2024

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Analiza gazelor naturale. Biometan. Determinarea COV prin desorbție termică urmată de analiză gazcromatografică cu detectoare de ionizare în flacără și/sau spectrometrie de masă

75.160.40 Biocombustibili

CT 360

SR EN ISO 18134-2:2024

A

Biocombustibili solizi. Determinarea conținutului de umiditate. Partea 2: Metodă simplificată

Inlocuieste SR EN ISO 18134-2:2017

75.180.01 Mașini și utilaje pentru industria petrolieră și a gazului natural în general

CT 357

SR CEN/TS 17977:2024

NCT

Infrastructura pentru gaze — Calitatea gazelor — Rețele de gaze convertite pentru funcționare cu hidrogen

77.120.10 Aluminii și aliaje de aluminii

CT 171

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A

Aluminii și aliaje de aluminii. Benzi pentru schimbătoare de căldură. Partea 2: Caracteristici mecanice

Inlocuieste SR EN 683-2:2007

77.140.50 Produse și semi-produse plate din oțel

CT 42

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A

Table, benzi late laminate continuu la cald și benzi fâșiate, din oțeluri aliate și nealiate. Toleranțe la dimensiuni și de formă

Inlocuieste SR EN 10051:2011

81.040.20 Sticlă pentru construcții

CT 122

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A

Sticlă pentru construcții. Caracteristicile spectrofotometrice ale produselor din sticlă.

Procedură de validare a programelor de calcul

83.080.20 Materiale termoplastice

CT 108

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A

Materiale plastice. Materiale plastice reciclate. Caracterizarea materialelor plastice reciclate din polietilentereftalat (PET)

Inlocuieste SR EN 15348:2015

83.140.40 Furtunuri flexibile

CT 108

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A

Furtunuri și ansambluri de furtunuri din cauciuc, pentru transferul amoniacului anhidru.

Specificație

Inlocuieste SR EN ISO 5771:2009

83.140.50 Garnituri de etanșare

CT 108

SR EN 549+A2:2024

A

Materiale pe bază de cauciuc pentru garnituri de etanșare și membrane destinate aparatelor cu gaz și instalațiilor pentru gaz

Inlocuieste SR EN 549+A1:2023

91.120.10 Izolație termică

CT 113

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A

Produse termoizolante. Declarații de mediu pentru produse (DMP). Reguli ale categoriei de produse (RCP) complementare EN 15804 pentru produsele fabricate industrial și formate in situ

Inlocuieste SR EN 16783:2017

91.140.40 Sisteme de alimentare cu gaz

CT 357

SR CEN/TR 16395:2024

NCT

Infrastructura pentru gaze – CEN/TC 234 Definiții referitoare la presiune – Linii directoare

Inlocuieste SR CEN/TR 16395:2016

93.080.01 Ingineria drumurilor în general

CT 187

SR 1848-1:2024

E

Semnalizare rutieră – Indicatoare și mijloace de semnalizare rutieră – Partea 1: Clasificare, simboluri și amplasare

Inlocuieste SR 1848-1:2011

93.080.30 Mașini și utilaje pentru

construcția de drumuri

CT 187

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A

Echipament pentru dirijarea traficului. Semafoare

Inlocuieste SR EN 12368:2015

CT 187

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A

Dispozitive pentru reducerea zgomotului din traficul rutier. Sustenabilitate: Declarația indicatorilor cheie de performanță (KPI)

97.040.20 Aragaze, aparate de încălzire, cuptoare și aparate similare

CT 238

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

97.130.20 Aparate de răcit comerciale

CT 147

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Dulapuri de răcire și de congelare rapidă de uz profesional. Clasificare, cerințe și condiții de încercare. Amendament 1

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CT 118

SR EN 14988+A2:2024

A

Scaune înalte pentru copii. Cerințe și metode de încercare

Inlocuieste SR EN 14988+A1:2020

STANDARDE ANULATE

Standardele române de mai jos au fost anulate în luna **mai 2024**, fie prin înlocuire, fie printr-o decizie de anulare.

Pentru standardele anulate prin înlocuire sunt precizate și standardele înlocuitoare.

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Servicii referitoare la scufundările de agrement.
Cerințe pentru formarea instructorilor cu recirculatoare

Servicii referitoare la scufundările de agrement.
Cerințe pentru formarea instructorilor cu recirculatoare

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CT 373

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Cerințe pentru formarea scafandrilor științifici.
Partea 2: Scafandri științifici avansați

CT 373

SR EN ISO 8804-3:2024 **A**
Cerințe pentru formarea scafandrilor științifici.
Partea 3: Manager de proiect de scufundări științifice

CT 373

SR EN ISO 8804-1:2024 **A**
Cerințe pentru formarea scafandrilor științifici.
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CT 373

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Cerințe pentru formarea instructorilor cu recirculatoare

03.120.20 Certificarea produselor și a întreprinderilor. Evaluarea conformității
CT 16

SR CEN ISO/TS 23406:2024 **A**
Sector nuclear. Cerințe pentru organismele care auditează și certifică sistemele de management al calității ale organizațiilor care furnizează produse și servicii importante pentru siguranța nucleară
Înlocuiește SR CEN ISO/TS 23406:2022

03.200.99 Alte standarde referitoare la agrement și turism
CT 373

SR EN ISO 24808:2024 **A**

03.220.99 Alte tipuri de transport
CT 146

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CT 22

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11.040.01 Echipament medical în general
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11.040.20 Echipament pentru transfuzii, perfuzii și injecții

11.040.25 Seringi, ace și catetere

11.040.30 Instrumente și materiale chirurgicale

11.040.40 Implanturi chirurgicale, proteze și orteze

11.040.50 Echipament radiologic

11.040.55 Echipament pentru diagnosticare

11.040.60 Echipament pentru terapie

11.040.70 Echipament oftalmologic

11.040.99 Alte echipamente medicale

11.080.01 Sterilizare și dezinfectare în general
CT 377

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Procesarea produselor de îngrijire a sănătății. Informații de furnizat de producătorul dispozitivului medical referitoare la procesarea dispozitivelor medicale. Partea 2: Dispozitive medicale noncritice

13.030.50 Reciclarea deșeurilor
CT 108

SR EN 15348:2024 A
Materiale plastice. Materiale plastice reciclate. Caracterizarea materialelor plastice reciclate din polietilentereftalat (PET)
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13.060.45 Examinarea apei în general
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Inlocuieste SR EN ISO 5667-3:2018

13.060.50 Determinarea substanțelor chimice din apă
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Inlocuieste SR EN ISO 14915-2:2004

13.220.20 Protecția contra incendiilor
CT 216

SR EN 14972-4:2024 A
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Inlocuieste SR EN 13523-1:2017

17.040.40 Specificație geometrică pentru produse (GPS)
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CT 276

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Acustică. Determinarea proprietăților acustice în tuburi de impedanță. Partea 2: Metoda cu două microfoane pentru coeficientul de absorbție acustică la incidență normală și impedanța acustică a suprafeței normale
Inlocuieste SR EN ISO 10534-2:2002

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CT 238

SR EN 60704-2-14:2013/A2:2024 A
Aparate electrice de uz casnic și scopuri similare. Cod de încercare pentru determinarea zgomotului transmis prin aer. Partea 2-14: Prescripții particulare pentru frigider, dulapuri frigorifice pentru stocarea alimentelor congelate și congelatoare

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Măsurarea câmpului electric intern în materiale izolante. Metodă de propagare a undelor de presiune

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CT 231

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Butelii pentru gaz. Robinete pentru butelii. Specificații și încercări de tip
Inlocuieste SR EN ISO 10297:2014

CT 231

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CT 108

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Materiale pe bază de cauciuc pentru garnituri de etanșare și membrane destinate aparatelor cu gaz și instalațiilor pentru gaz

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23.060.40 Reglatoare de presiune

CT 231

SR EN ISO 10297:2024 A

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Inlocuieste SR EN ISO 10297:2014

CT 231

SR EN ISO 22435:2024 A

Butelii pentru gaz. Robinete pentru butelii cu reductoare de presiune integrate. Specificații și încercări de tip

Inlocuieste SR EN ISO 22435:2008

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CT 137

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Proiectarea ventilatoarelor destinate utilizării în atmosfere potențial explozive

Inlocuieste SR EN 14986:2017

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CT 390

SR EN ISO/ASTM 52927:2024 A

Fabricație aditivă. Principii generale. Caracteristici principale și metode de încercare corespondente

Inlocuieste SR EN ISO 17296-3:2017

CT 390

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CT 23

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25.040.01

Sisteme de automatizare

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25.040.10

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25.040.20

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25.040.30

Roboți industriali. Manipulatori

25.040.40

Măsurarea și controlul proceselor

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25.040.99

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25.160.20

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CT 31

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Inlocuieste SR EN 60676:2012

25.220.60 Acoperiri organice

CT 338

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Vopsire continuă în bandă a metalelor. Metode de încercare. Partea 3: Diferență de culoare și metamerism. Comparare instrumentală

Inlocuieste SR EN 13523-3:2021

CT 338

SR EN 13523-22:2024 **A**
Vopsire continuă în bandă a metalelor. Metode de încercare. Partea 22: Diferența de culoare. Comparare vizuală

Inlocuieste SR EN 13523-22:2017

CT 338

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Vopsire continuă în bandă a metalelor. Metode de încercare. Partea 21: Evaluarea plăcilor expuse în exterior

Inlocuieste SR EN 13523-21:2017

CT 338

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Vopsire continuă în bandă a metalelor. Metode de încercare. Partea 29: Rezistența la murdărirea cauzată mediului ambiant (pătare și striere)

Inlocuieste SR EN 13523-29:2017

CT 338

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Vopsire continuă în bandă a metalelor. Metode de încercare. Partea 12: Rezistența la zgâriere

Inlocuieste SR EN 13523-12:2017

CT 338

SR EN 13523-10:2024 **A**
Vopsire continuă în bandă a metalelor. Metode de încercare. Partea 10: Rezistența la radiații UV fluorescente și la condensarea apei

Inlocuieste SR EN 13523-10:2017

CT 338

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Vopsire continuă în bandă a metalelor. Metode de încercare. Partea 1: Grosimea acoperirii

Inlocuieste SR EN 13523-1:2017

CT 338

SR EN 13523-8:2024 **A**
Vopsire continuă în bandă a metalelor. Metode de încercare. Partea 8: Rezistența la ceață salină

Inlocuieste SR EN 13523-8:2017

27.075 Tehnologii referitoare la hidrogen

CT 357

SR CEN/TS 17977:2024 **NCT**
Infrastructura pentru gaze — Calitatea gazelor — Rețele de gaze convertite pentru funcționare cu hidrogen

27.120.01 Energie nucleară în general

CT 16

SR CEN ISO/TS 23406:2024 **A**
Sector nuclear. Cerințe pentru organismele care auditează și certifică sistemele de management al calității ale organizațiilor care furnizează produse și servicii importante pentru siguranța nucleară

Inlocuieste SR CEN ISO/TS 23406:2022

27.190 Energie biologică și alte surse de energie alternativă

CT 360

SR EN ISO 18134-2:2024 **A**
Biocombustibili solizi. Determinarea conținutului de umiditate. Partea 2: Metodă simplificată

Inlocuieste SR EN ISO 18134-2:2017

29.035.01 Materiale electroizolante în general

CT 5

SR EN IEC 62836:2024 **A**
Măsurarea câmpului electric intern în materiale izolante. Metodă de propagare a undelor de presiune

29.160.01 Mașini electrice rotative în general

CT 1

SR EN IEC 60034-2-3:2024 **A**
Mașini electrice rotative. Partea 2-3: Metode de încercare specifice pentru determinarea pierderilor și a randamentului mașinilor electrice

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Inlocuieste SR EN IEC 60034-2-3:2020

CT 1

SR EN IEC 60034-2-2:2024

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Mașini electrice rotative. Partea 2-2: Metode specifice pentru determinarea prin încercări a pierderilor separate ale mașinilor electrice rotative de mare putere. Completează IEC 60034-2-1

Inlocuieste SR EN 60034-2-2:2011

CT 1

SR EN IEC 60034-2-1:2024

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Mașini electrice rotative. Partea 2-1: Metode standardizate pentru determinarea prin încercări a pierderilor și a randamentului (cu excepția mașinilor electrice pentru vehicule de tracțiune)

Inlocuieste SR EN 60034-2-1:2015

29.200 Redresoare. Convertizoare. Surse stabilizate

CT 36

SR EN IEC 62477-1:2023/AC:2024

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Cerințe de securitate pentru sisteme și echipamente electronice de conversie a puterii.

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29.260.20 Aparate și echipamente electrice pentru medii explozive

CT 137

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Inlocuieste SR EN 60079-26:2015

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CT 193

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Metode de încercare pentru materiale electrice, plăci de circuite imprimate și alte structuri de interconectare și ansamble. Partea 2-720:

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Specificații cadru pentru conectorii coaxiali de radiofrecvență din seria HD-BNC. Impedanță caracteristică 75 ohmi

31.220.01 Componente electromecanice în general

31.220.10 Fișe. Conectoare

31.220.20 Întreruptoare

31.220.99 Alte componente electromecanice

33.020 Telecomunicații în general

CT 6

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H.323

CT 6

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CT 6

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Compatibilitate electromagnetică și probleme ale spectrului radio (ERM). Dispozitive cu rază mică de acțiune (SRD). Echipament de comunicare inductivă de date în apropiere care funcționează la 13,56 MHz. Partea 1: Caracteristici tehnice și metode de încercare

CT 6

SR EN 302 152-1 V1.1.1:2024

A

Compatibilitate electromagnetică și probleme ale spectrului radio (ERM). Balize de localizare personală prin satelit (PLB) care funcționează în banda de frecvență de la 406,0 MHz până la 406,1 MHz. Partea 1: Caracteristici tehnice și metode de măsurare

CT 6**SR EN 302 435-1 V1.2.1:2024****A**

Compatibilitate electromagnetică și probleme ale spectrului radio (ERM). Dispozitive de distanță mică (SRD). Caracteristici tehnice pentru echipamentele SRD care utilizează tehnologie cu bandă ultra-largă (UWB). Aplicații de echipamente de analiză și clasificare a materialelor de construcție care funcționează în banda de frecvență de la 2,2 GHz până la 8 GHz. Partea 1: Caracteristici tehnice și metode de încercare

CT 6**SR EN 302 500-1 V1.1.1:2024****A**

Compatibilitate electromagnetică și probleme ale spectrului radio (ERM). Dispozitive de distanță mică (SRD). Caracteristici tehnice pentru echipamentele SRD care utilizează tehnologie cu bandă ultra-largă (UWB). Echipamente de urmărire a locației care funcționează în intervalul de frecvență de la 6 GHz până la 8,5 GHz. Partea 1: Caracteristici tehnice și metode de încercare

CT 6**SR EN 302 498-1 V1.1.1:2024****A**

Compatibilitate electromagnetică și probleme ale spectrului radio (ERM). Dispozitive de distanță mică (SRD). Caracteristici tehnice pentru echipamentele SRD care utilizează tehnologie cu bandă ultra-largă (UWB). Aplicații de discriminare și caracterizare a obiectelor pentru dispozitivele unelte electrice care operează în banda de frecvență de la 2,2 GHz până la 8,5 GHz. Partea 1: Caracteristici tehnice și metode de încercare

CT 6**SR EN 301 958 V1.1.1:2024****A**

Radiodifuziune video digitală (DVB). Canal de interacțiune pentru televiziunea digitală terestră (RCT) care încorporează acces multiplu OFDM

CT 6**SR EN 302 304 V1.1.1:2024****A**

Radiodifuziune video digitală (DVB). Sistem de transmisie pentru terminale portabile (DVB-H)

CT 6**SR EN 302 583 V1.1.1:2024****A**

Radiodifuziune video digitală (DVB). Structura de cadru, codarea canalului și modulația pentru televiziunea terestră digitală pentru servicii prin satelit către dispozitive portabile (SH) sub 3 GHz

CT 6**SR EN 301 927 V1.1.1:2024****A**

Sisteme și stații terestre pentru sateliți (SES). Cooperarea Europeană pentru Standardizarea Spațială (ECSS). Interfețe de tratare a datelor software prin satelit (SSDHI)

CT 6**SR EN 302 213 V1.1.2:2024****A**

Servicii și protocoale pentru rețele avansate (SPAN). Setul 2 de capabilități de control independent al apelurilor la purtător (BICC) (CS2). Specificația protocolului [Recomandările UIT-T Q.1902.1, Q.1902.2, Q.1902.3, Q.1902.4, Q.1902.5, Q.1902.6, Q.765.5 Amendament 1, Q.1912.1, Q.1912.2, Q.1912.3, Q.1912.4, Q.1922.2, Q.1950, Q.1970, Q.1990, Q.2150.0, Q.2150.1, Q.2150.2, Q.2150.3, modificat]

CT 6**SR EN 302 120 V1.1.1:2024****A**

Servicii și protocoale pentru rețele avansate (SPAN). Funcționarea protocolului de control independent al apelurilor la purtător (BICC) cu specificația de semnalizare SIG.4/PM1.0/AINI

CT 6**SR EN 301 997-1 V1.1.1:2024****A**

Transmisie și multiplexare (TM). Echipamente multipunct. Echipamente radio pentru utilizare în sisteme multimedia wireless (MWS) în banda de frecvență de la 40,5 GHz până la 43,5 GHz. Partea 1: Cerințe generale

CT 6**SR EN 302 500-1 V1.2.1:2024****A**

Compatibilitate electromagnetică și probleme ale spectrului radio (ERM). Dispozitive de distanță mică (SRD). Caracteristici tehnice pentru echipamentele SRD care utilizează tehnologie cu bandă ultra-largă (UWB). Echipamente de urmărire a locației care funcționează în intervalul de frecvență de la 6 GHz până la 8,5 GHz. Partea 1: Caracteristici tehnice și metode de încercare
Inlocuiește SR EN 302 500-1 V1.1.1:2024

CT 6**SR EN 302 435-1 V1.3.1:2024****A**

Compatibilitate electromagnetică și probleme ale spectrului radio (ERM). Dispozitive de distanță mică (SRD). Caracteristici tehnice pentru echipamentele SRD care utilizează tehnologie cu bandă ultra-largă (UWB). Aplicații de echipamente de analiză și clasificare a

materialelor de construcție care funcționează în banda de frecvență de la 2,2 GHz până la 8 GHz. Partea 1: Caracteristici tehnice și metode de încercare
Inlocuieste SR EN 302 435-1 V1.2.1:2024

CT 6
SR EN 302 500-1 V2.1.1:2024

A
Compatibilitate electromagnetică și probleme ale spectrului radio (ERM). Dispozitive de distanță mică (SRD). Caracteristici tehnice pentru echipamentele SRD care utilizează tehnologie cu bandă ultra-largă (UWB). Echipamente de urmărire a locației care funcționează în intervalul de frecvență de la 6 GHz până la 9 GHz. Partea 1: Caracteristici tehnice și metode de încercare
Inlocuieste SR EN 302 500-1 V1.2.1:2024

CT 6
SR EN 302 583 V1.1.2:2024

A
Radiodifuziune video digitală (DVB). Structura de cadru, codarea canalului și modulația pentru televiziunea terestră digitală pentru servicii prin satelit către dispozitive portabile (SH) sub 3 GHz
Inlocuieste SR EN 302 583 V1.1.1:2024

CT 6
SR EN 302 583 V1.2.1:2024

A
Radiodifuziune video digitală (DVB). Structura de cadru, codarea canalului și modulația pentru televiziunea terestră digitală pentru servicii prin satelit către dispozitive portabile (SH) sub 3 GHz
Inlocuieste SR EN 302 583 V1.1.2:2024

CT 23
SR EN IEC 61918:2019/A2:2024

A
Rețele de comunicație industriale. Instalarea rețelelor de comunicație în locații industriale

33.060.01 Radiocomunicații în general
CT 6

SR EN 302 550-1-1 V1.1.1:2024
A
Sisteme și stații terestre pentru sateliți (SES). Sisteme de radio digital prin satelit (SDR). Partea 1: Stratul fizic al interfeței radio. Sub-parte 1: Stratul fizic exterior

33.060.20 Echipamente de primire și de transmitere date

CT 6
SR EN 302 550-1-2 V1.1.1:2024

A
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Sisteme și stații terestre pentru sateliți (SES). Sisteme de radio digital prin satelit (SDR). Partea 1: Stratul fizic al interfeței radio. Sub-parte 2: Strat fizic interior Modulație cu o singură purtătoare

CT 6
SR EN 302 550-1-3 V1.1.1:2024

A
Sisteme și stații terestre pentru sateliți (SES). Sisteme de radio digital prin satelit (SDR). Partea 1: Stratul fizic al interfeței radio. Sub-parte 3: Strat fizic interior Modulație multi purtătoare

CT 6
SR EN 300 903 V8.1.1:2024

A
Sistem celular digital de telecomunicații (Faza 2+). Aspectele planificării transmisiei serviciului de vorbire în sistemul rețelei mobile, terestre, publice (PLMN) GSM (GSM 03.50 versiune 8.0.1 ediția 1999)
Inlocuieste SR EN 300 903 V8.0.1:2024

33.060.30 Radiorelee și sisteme fixe de comunicații prin satelit

CT 6
SR EN 302 062 V1.1.1:2024

A
Sisteme radio fixe. Echipamente punct la punct. Sisteme de relee radio digitale de mare capacitate care transportă semnale STM-4, 4 x STM-1 sau 2 x STM-1 în benzi cu distanță între canale de 55/56 MHz

CT 6
SR EN 302 063 V1.1.1:2024

A
Sisteme radio fixe. Echipamente multipunct. Sisteme radio digitale multipunct care operează în intervalul de frecvență de la 31,0 GHz până la 33,4 GHz (32 GHz)

CT 6
SR EN 302 326-1 V1.1.1:2024

A
Sisteme de radio fixe. Echipamente multipunct și antene. Partea 1: Prezentare generală și cerințe pentru sistemele radio digitale multipunct

CT 6
SR EN 302 078 V1.1.1:2024

A
Sisteme radio fixe. Antene multipunct. Antene polarizate circular pentru sisteme radio fixe multipunct operând în banda de la 1 GHz până la 11 GHz

CT 6

SR EN 302 085 V1.2.3:2024**A**

Sisteme de radio fixe. Antene punct-la-multipunct. Antene pentru sisteme de radio fixe punct-la-multipunct operând în banda de la 3 GHz până la 11 GHz

Inlocuieste SR EN 302 085:2004

CT 6**SR EN 302 326-1 V1.2.2:2024****A**

Sisteme de radio fixe. Echipamente multipunct si antene. Partea 1: Prezentare generală și cerințe pentru sistemele radio digitale multipunct

Inlocuieste SR EN 302 326-1 V1.1.1:2024

33.070.10 Rețele radio transeuropene (TETRA)**CT 6****SR EN 302 096 V0.2.3:2024****A**

Telecomunicații digitale extinse fără fir (DECT). Mobilitatea terminalului fără cordon (CTM). Pachetul de caracteristici 1 (FP1). Profil de date cu comutare de circuite CTM, 32 kbit/s și 64 kbit/s Informații digitale nerestricționate (UDI)

CT 6**SR EN 302 109 V1.1.1:2024****A**

Sisteme terestre de radio cu acces multiplu (TETRA). Securitate. Mecanism de sincronizare pentru criptare end-to-end

33.070.50 Sistem global de comunicații mobile-GSM**CT 6****SR EN 302 408 V7.1.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Subsistemul radio CTS-FP (GSM 05.56 versiunea 7.1.1 Lansarea 1998)

CT 6**SR EN 302 404 V7.1.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Straturile inferioare ale interfeței radio CTS. Etapa 2 (GSM 03.52 versiunea 7.1.1 Lansarea 1998)

CT 6**SR EN 302 405 V7.1.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Descrierea arhitecturii CTS. Etapa 2 (GSM 03.56 versiunea 7.1.1 Lansarea 1998)

CT 6**SR EN 302 406 V7.1.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Specificația de strat 3 a interfeței radio CTS (GSM 04.56 versiunea 7.1.1 Lansarea 1998)

CT 6**SR EN 302 407 V7.0.3:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Specificația de strat 3 a sistemului de supraveghere CTS (GSM 04.57 versiunea 7.0.3 Lansarea 1998)

CT 6**SR EN 302 403 V8.0.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Descrierea serviciului. Etapa 1 (GSM 02.56 versiunea 8.0.1 Lansarea 1999)

Inlocuieste SR EN 302 403 V7.2.1:2024

CT 6**SR EN 302 404 V8.0.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Straturile inferioare ale interfeței radio CTS. Etapa 2 (GSM 03.52 versiunea 8.0.1 Lansarea 1998)

Inlocuieste SR EN 302 404 V7.1.1:2024

CT 6**SR EN 302 408 V8.0.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Subsistemul radio CTS-FP (GSM 05.56 versiunea 8.0.1 Lansarea 1999)

Inlocuieste SR EN 302 408 V7.1.1:2024

CT 6**SR EN 302 406 V8.0.1:2024****A**

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Specificația de strat 3 a interfeței radio CTS (GSM 04.56 versiunea 8.0.1 Lansarea 1999)

Inlocuieste SR EN 302 406 V7.1.1:2024

CT 6

SR EN 302 407 V8.0.1:2024

A

Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Specificația de strat 3 a sistemului de supraveghere CTS (GSM 04.57 versiunea 8.0.1 Lansarea 1999)

Inlocuieste SR EN 302 407 V7.0.3:2024

33.080 Rețele integrate de servicii digitale (ISDN)

CT 6

SR EN 301 924 V1.1.1:2024

A

Rețea privată cu servicii integrate (PISN). Funcții de mapare pentru utilizarea conexiunilor în mod de circuit de 64 kbit/s cu sub-multiplexare de 8 kbit/s

CT 6

SR EN 301 989 V1.1.1:2024

A

Rețele de telecomunicații corporative (CN). Interoperare de semnalizare între QSIG și H.323. Servicii suplimentare de completare a apelului

CT 6

SR EN 301 990 V1.1.1:2024

A

Rețea privată cu servicii integrate (PISN). Specificație, model funcțional și fluxuri de informații. Serviciu de mesaje scurte serviciu suplimentar

CT 6

SR EN 301 991 V1.1.1:2024

A

Rețea privată cu servicii integrate (PISN). Protocolul de semnalizare între centrale. Serviciu de mesaje scurte

CT 6

SR EN 301 937 V1.1.1:2024

A

Servicii și protocoale pentru rețele avansate (SPAN). Portabilitatea numerelor pentru serviciile ETNS

CT 6

SR EN 301 933-1 V1.1.1:2024

A

Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS3). Protocol de aplicație pentru rețea inteligentă (INAP). Specificația structurii setului de teste și a scopurilor testelor (TSS și TP) pentru funcția de comutație a serviciilor

(SSF). Partea 1: Setul de capabilități de bază al CS3

CT 6

SR EN 301 933-2 V1.1.1:2024

A

Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS3). Protocol de aplicație pentru rețea inteligentă (INAP). Specificația structurii setului de teste și a scopurilor testelor (TSS și TP) pentru funcția de comutație a serviciilor (SSF). Partea 2: Tratarea apelului (CPH)

CT 6

SR EN 301 933-3 V1.1.1:2024

A

Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS3). Protocol de aplicație pentru rețea inteligentă (INAP). Specificația structurii setului de teste și a scopurilor testelor (TSS și TP) pentru funcția de comutație a serviciilor (SSF). Partea 3: Funcția de resurse specializate (SRF)

CT 6

SR EN 301 934-1 V1.1.1:2024

A

Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS-3). Specificația setului de încercări abstracte (ATS) și a proformei pentru informația suplimentară privind implementarea parțială a protocolului pentru încercare (PIXIT). Partea 1: Setul de capabilități de bază al CS3

CT 6

SR EN 301 934-2 V1.1.1:2024

A

Rețea inteligentă (IN). Set de capabilități de rețea inteligentă 3 (CS3). Specificația setului de încercări abstracte (ATS) și a proformei pentru informația suplimentară privind implementarea parțială a protocolului pentru încercare (PIXIT). Partea 2: Tratarea apelului (CPH)

CT 6

SR EN 302 094-4 V1.1.1:2024

A

Rețea digitală cu servicii integrate (ISDN). Protocolul sistemului de semnalizare Nr. 1 (DSS1) pentru abonatul digital și protocoalele sistemului de semnalizare Nr. 7 (SS7). Serviciul suplimentar de redirectionare a apelurilor inaccesibile (CFNRC) pentru Mobilitatea terminalului fără cordon (CTM) faza 1. Partea 4: Specificația setului de încercări abstracte (ATS) și a proformei pentru informația suplimentară privind implementarea parțială a protocolului pentru încercare (PIXIT) pentru utilizator

CT 6

SR EN 302 094-6 V1.1.1:2024

A
 Rețea digitală cu servicii integrate (ISDN). Protocolul sistemului de semnalizare Nr. 1 (DSS1) pentru abonatul digital și protocoalele sistemului de semnalizare Nr. 7 (SS7). Serviciul suplimentar de redirecționare a apelurilor inaccesibile (CFNRc) pentru Mobilitatea terminalului fără cordon (CTM) faza 1. Partea 6: Specificația setului de încercări abstracte (ATS) și a proformei pentru informația suplimentară privind implementarea parțială a protocolului pentru încercare (PIXIT) pentru rețea

CT 6**SR EN 302 091-1 V1.1.3:2024**

A
 Rețea digitală cu servicii integrate de bandă largă (B-ISDN) și rețea cu servicii integrate private de bandă largă (B-PISN). Protocolul sistemului de semnalizare Nr. 2 (DSS2) pentru abonatul digital. Semnalizarea interschimbului de bandă largă (B-QSIG) și Sistemul de semnalizare nr. 7 (SS7). Prenegociare. Partea 1: Specificația protocolului

CT 6**SR EN 302 091-2 V1.1.3:2024**

A
 Rețea digitală cu servicii integrate de bandă largă (B-ISDN) și rețea cu servicii integrate private de bandă largă (B-PISN). Protocolul sistemului de semnalizare Nr. 2 (DSS2) pentru abonatul digital. Semnalizarea interschimbului de bandă largă (B-QSIG) și Sistemul de semnalizare nr. 7 (SS7). Prenegociare. Partea 2: Declarația de Conformitate a Implementării Protocolului (PICS) Specificație proformă

CT 6**SR EN 302 092-1 V1.2.2:2024**

A
 Rețea digitală cu servicii integrate de bandă largă (B-ISDN) și rețea cu servicii integrate private de bandă largă (B-PISN). Protocolul sistemului de semnalizare Nr. 2 (DSS2) pentru abonatul digital. Semnalizarea interschimbului de bandă largă (B-QSIG) și Sistemul de semnalizare nr. 7 (SS7). Controlul apelurilor într-un mediu separat de control al apelurilor și al purtătorului. Partea 1: Specificația protocolului

CT 6**SR EN 302 092-2 V1.2.2:2024**

A
 Rețea digitală cu servicii integrate de bandă largă (B-ISDN) și rețea cu servicii integrate private de bandă largă (B-PISN). Protocolul sistemului de semnalizare Nr. 2 (DSS2) pentru abonatul digital. Semnalizarea interschimbului de bandă largă (B-QSIG) și Sistemul de semnalizare nr. 7 (SS7). Controlul apelurilor într-un mediu separat de

control al apelurilor și al purtătorului. Partea 2: Declarația de Conformitate a Implementării Protocolului (PICS) Specificație proformă

CT 6**SR EN 302 094-1 V1.1.3:2024**

A
 Rețea digitală cu servicii integrate (ISDN). Protocolul sistemului de semnalizare Nr. 1 (DSS1) pentru abonatul digital și protocoalele sistemului de semnalizare Nr. 7 (SS7). Serviciul suplimentar de redirecționare a apelurilor inaccesibile (CFNRc) pentru Mobilitatea terminalului fără cordon (CTM) faza 1. Partea 1: Specificația protocolului

CT 6**SR EN 302 094-2 V1.1.3:2024**

A
 Rețea digitală cu servicii integrate (ISDN). Protocolul sistemului de semnalizare Nr. 1 (DSS1) pentru abonatul digital și protocoalele sistemului de semnalizare Nr. 7 (SS7). Serviciul suplimentar de redirecționare a apelurilor inaccesibile (CFNRc) pentru Mobilitatea terminalului fără cordon (CTM) faza 1. Partea 2: Declarația de Conformitate a Implementării Protocolului (PICS) Specificație proformă

33.100.01 Compatibilitate electromagnetă în general**CT 6****SR EN 302 403 V7.2.1:2024**

A
 Sistem digital de telecomunicații celulare (Faza 2+) (GSM). Sistem de telefonie fără cordon GSM (CTS), faza 1. Descrierea serviciului. Etapa 1 (GSM 02.56 versiunea 7.2.1 Lansarea 1998)

33.100.10 Emisie**CT 30****SR EN 61000-3-12:2012/A1:2024**

A
 Compatibilitate electromagnetă (CEM). Partea 3-12: Limite. Limite pentru curenții armonici produși de echipamentele conectate la rețelele publice de joasă tensiune, cu un curent absorbit > 16 A și ≤ 75 A pe fază

CT 30**SR EN IEC 61000-3-2:2019/A2:2024**

A
 Compatibilitate electromagnetă (CEM). Partea 3-2: Limite. Limite pentru emisiile de curenți armonici (curent de intrare al echipamentelor ≤ 16 A pe fază)

33.120.10 Cabluri coaxiale. Ghiduri de undă

CT 160

SR EN IEC 60966-2-2:2024

A

Ansambluri de cordoane coaxiale și cordoane pentru radiofrecvență. Partea 2-2: Specificație particulară cadru pentru cordoane coaxiale flexibile

Inlocuieste SR EN 60966-2-2:2004

CT 160

SR EN IEC 60966-4:2024

A

Ansambluri de cordoane coaxiale și cordoane pentru radiofrecvență. Partea 4: Specificație intermediară pentru cordoane coaxiale semirigide

Inlocuieste SR EN 60966-4:2004

CT 160

SR EN IEC 60966-4-1:2024

A

Ansambluri de cordoane coaxiale și cordoane pentru radiofrecvență. Partea 4-1: Specificație particulară cadru pentru cordoane coaxiale semirigide

Inlocuieste SR EN 60966-4-1:2004

33.160.01 Tehnici audio, video și audiovizuale în general

CT 375

SR EN IEC 62368-1:2024

A

Echiptamente audio/video și pentru tehnologia informației și comunicațiilor. Partea 1: Cerințe de securitate

Inlocuieste SR EN IEC 62368-1:2020

CT 375

SR EN IEC 62368-1:2024/A11:2024

A

Echiptamente audio/video și pentru tehnologia informației și comunicațiilor. Partea 1: Cerințe de securitate

33.180.20 Dispozitive de interconectare prin fibre optice

CT 138

SR EN IEC 61300-2-44:2024

A

Dispozitive de interconectare și componente pasive cu fibre optice. Metode fundamentale de încercare și de măsurare. Partea 2-44: Încercări. Încovoierea clemei de cablu la dispozitivele cu fibre optice

Inlocuieste SR EN 61300-2-44:2014

CT 138

SR EN IEC 63267-2-2:2024

A

Dispozitive de interconectare și componente pasive cu fibre optice. Interfețe optice pentru conectori de fibre multimod de îndoire macro îmbunătățită. Partea 2-2: Parametrii de conectare ai fibrelor care intră în contact fizic cu un diametru al miezului de 50 μm. Fără unghi și unghi pentru aplicații cu conectori de referință

CT 138

SR EN IEC 63267-2-1:2024

A

Dispozitive de interconectare și componente pasive cu fibre optice. Interfețe optice pentru conectori de fibre multimod de îndoire macro îmbunătățită. Partea 2-1: Parametrii de conectare ai fibrelor cu diametrul miezului de 50 μm în contact fizic. Fără unghi

CT 138

SR EN IEC 61753-071-02:2020/A1:2024

A

Standard de performanță pentru dispozitive de interconectare a fibrei optice și componente pasive. Partea 071-02: Comutatoare spațiale 1 × 2 și 2 × 2 fără conectare, pentru fibre optice monomod categoria C. Mediu controlat

35.020 Tehnologia informației (IT) în general

CT 375

SR EN IEC 62368-1:2024

A

Echiptamente audio/video și pentru tehnologia informației și comunicațiilor. Partea 1: Cerințe de securitate

Inlocuieste SR EN IEC 62368-1:2020

CT 375

SR EN IEC 62368-1:2024/A11:2024

A

Echiptamente audio/video și pentru tehnologia informației și comunicațiilor. Partea 1: Cerințe de securitate

35.080 Software

CT 54

SR EN ISO 9241-115:2024

A

Ergonomia interacțiunii om-sistem. Partea 115: Linii directoare privind proiectarea conceptuală, proiectarea interacțiunii utilizator-sistem, proiectarea interfeței utilizator și proiectarea navigației

Inlocuieste SR EN ISO 14915-2:2004

35.240.50 Aplicații IT în industrie
CT 23
SR EN IEC 61918:2019/A2:2024
A
 Rețele de comunicație industriale. Instalarea rețelelor de comunicație în locații industriale

35.240.63 Aplicații IT în comerț
CT 388
SR EN 17015-1:2024
A
 Achiziții Publice Electronice. Catalog. Partea 1: Coregrafii

CT 388
SR EN 17016-1:2024
A
 Achiziții Publice Electronice. Comenzi. Partea 1: Coregrafii

39.060 Giuvaergerie
CT 126
SR EN ISO 11427:2024
A
 Bijuterii și metale prețioase. Determinarea argintului. Metoda potențimetrică cu bromură de potasiu
 Inlocuieste SR EN ISO 11427:2017

45.020 Ingineria căilor ferate în general
CT 146
SR EN 17929:2024
A
 Servicii de transport hyperloop

45.040 Materiale și componente pentru căi ferate
CT 146
SR EN 16451:2024
A
 Aplicații feroviare. Frânare. Portgarnituri
 Inlocuieste SR EN 16451:2015

45.060.01 Material rulant pentru căi ferate în general
CT 146
SR EN 17149-2:2024
A
 Aplicații feroviare. Evaluarea rezistenței structurii vehiculelor feroviare. Partea 2: Evaluarea rezistenței statice

CT 146
SR EN 17149-1:2024
A
 Aplicații feroviare. Evaluarea rezistenței structurii vehiculelor feroviare. Partea 1: Generalități

CT 146
SR EN 14067-4:2024
A
 Aplicații feroviare. Aerodinamică. Partea 4: Cerințe și proceduri de evaluare pentru aerodinamica în câmp deschis
 Inlocuieste SR EN 14067-4+A1:2019

47.020.70 Echipament pentru navigație și control
CT 199
SR ISO 11674:2024
FCT
 Nave și tehnologie maritimă. Sistem de control al direcției de deplasare
 Inlocuieste SR EN ISO 11674:2002

47.080 Nave de agrement
CT 199
SR EN ISO 10240:2024
A
 Nave mici. Manualul proprietarului
 Inlocuieste SR EN ISO 10240:2020

49.025.10 Oțeluri
CT 72
SR EN 4877-001:2024
A
 Serie aerospațială. Metale de aport pentru sudare. Partea 001: Specificație tehnică
 Inlocuieste SR EN 3879:2023

49.025.15 Aliaje neferoase în general
CT 72
SR EN 4877-001:2024
A
 Serie aerospațială. Metale de aport pentru sudare. Partea 001: Specificație tehnică
 Inlocuieste SR EN 3879:2023

49.060 Echipament electric
CT 72
SR EN 3774-004:2024
A
 Serie aerospațială. Disjunctoare tripolare compensate cu temperatura, curenți nominali de

la 1 A până la 25 A. Partea 004: Borne cu filet
UNC. Standard de produs
Inlocuieste SR EN 3774-004:2014

53.020.99 Alte instalații de ridicat

CT 85

SR EN 1570-1:2024

A

Cerințe de securitate pentru plăcile de ridicare.
Partea 1: Plăci de ridicare care se utilizează până
la două palieri fixe

Inlocuieste SR EN 1570-1+A1:2015

53.100 Mașini și utilaje pentru lucrări

terasiere

CT 218

SR EN ISO 3164:2013/A1:2024

A

Mașini de terasament. Evaluarea în laborator a
structurilor de protecție. Specificații pentru
volumul limită de deformare. Amendament 1

**55.020 Ambalaje și distribuirea
mărfurilor în general**

CT 146

SR EN 17929:2024

A

Servicii de transport hyperloop

55.080 Saci. Pungi

CT 270

SR EN ISO 7965-1:2024

A

Ambalaje. Saci. Încercare la cădere liberă. Partea
1: Saci de hârtie

Inlocuieste SR EN 27965-1:1995

59.140.30 Piele și blănuri

CT 102

SR EN ISO 20433:2024

A

Piele. Încercări pentru rezistența culorii.
Rezistența culorii la frecare

Inlocuieste SR EN ISO 20433:2013

65.080 Îngrășăminte

CT 105

SR EN 1482-4:2024

A

Îngrășăminte și amendamente minerale bazice.
Eșantionare și prepararea eșantioanelor. Partea

4: Eșantionarea pentru determinarea prezenței
microbiene

CT 285

SR EN 12579:2024

A

Amelioratori de sol și substraturi de cultură.
Eșantionare

Inlocuieste SR EN 12579:2014

**67.200.10 Uleiuri și grăsimi vegetale și
animale**

CT 180

SR EN ISO 20122:2024

A

Uleiuri vegetale. Determinarea hidrocarburilor
saturate de ulei mineral (MOSH) și a
hidrocarburilor aromatice de ulei mineral (MOAH)
prin analiză cu cromatografie de înaltă
performanță cuplată online cu cromatografie
gazoasă și detectare cu ionizare în flacără
(HPLC-GC-FID). Metodă pentru limita scăzută de
cuantificare

**71.120.99 Alte echipamente pentru
industria chimică**

CT 108

SR EN ISO 5771:2024

A

Furtunuri și ansambluri de furtunuri din cauciuc,
pentru transferul amoniacului anhidru.

Specificație

Inlocuieste SR EN ISO 5771:2009

75.060 Gaz natural

CT 357

SR CEN ISO/TS 2610:2024

NCT

Analiza gazelor naturale. Biometan.
Determinarea conținutului de amine

CT 357

SR EN ISO 2611-1:2024

A

Analiza gazelor naturale. Conținutul de halogeni
al biometanului. Partea 1: Determinarea
conținutului de HCl și HF prin cromatografie
ionică

CT 357

SR EN ISO 2620:2024

A

Analiza gazelor naturale. Biometan.
Determinarea COV prin desorbție termică urmată
de analiză gascromatografică cu detectoare de
ionizare în flacără și/sau spectrometrie de masă

75.160.40 Biocombustibili**CT 360****SR EN ISO 18134-2:2024****A**

Biocombustibili solizi. Determinarea conținutului de umiditate. Partea 2: Metodă simplificată

Inlocuiește SR EN ISO 18134-2:2017

75.180.01 Mașini și utilaje pentru industria petrolieră și a gazului natural în general**CT 357****SR CEN/TS 17977:2024****NCT**

Infrastructura pentru gaze — Calitatea gazelor — Rețele de gaze convertite pentru funcționare cu hidrogen

77.120.10 Aluminii și aliaje de aluminii**CT 171****SR EN 683-2:2024****A**

Aluminii și aliaje de aluminii. Benzi pentru schimbătoare de căldură. Partea 2: Caracteristici mecanice

Inlocuiește SR EN 683-2:2007

77.140.50 Produse și semi-produse plate din oțel**CT 42****SR EN 10051:2024****A**

Table, benzi late laminate continuu la cald și benzi fâșiate, din oțeluri aliate și nealiate.

Toleranțe la dimensiuni și de formă

Inlocuiește SR EN 10051:2011

81.040.20 Sticlă pentru construcții**CT 122****SR EN 17871:2024****A**

Sticlă pentru construcții. Caracteristicile spectrofotometrice ale produselor din sticlă.

Procedură de validare a programelor de calcul

83.080.20 Materiale termoplastice**CT 108****SR EN 15348:2024****A**

Materiale plastice. Materiale plastice reciclate. Caracterizarea materialelor plastice reciclate din polietilentereftalat (PET)

Inlocuiește SR EN 15348:2015

83.140.40 Furtunuri flexibile**CT 108****SR EN ISO 5771:2024****A**

Furtunuri și ansambluri de furtunuri din cauciuc, pentru transferul amoniacului anhidru.

Specificație

Inlocuiește SR EN ISO 5771:2009

83.140.50 Garnituri de etanșare**CT 108****SR EN 549+A2:2024****A**

Materiale pe bază de cauciuc pentru garnituri de etanșare și membrane destinate aparatelor cu gaz și instalațiilor pentru gaz

Inlocuiește SR EN 549+A1:2023

91.120.10 Izolație termică**CT 113****SR EN 16783:2024****A**

Produse termoizolante. Declarații de mediu pentru produse (DMP). Reguli ale categoriei de produse (RCP) complementare EN 15804 pentru produsele fabricate industrial și formate in situ

Inlocuiește SR EN 16783:2017

91.140.40 Sisteme de alimentare cu gaz**CT 357****SR CEN/TR 16395:2024****NCT**

Infrastructura pentru gaze – CEN/TC 234 Definiții referitoare la presiune – Linii directoare

Inlocuiește SR CEN/TR 16395:2016

93.080.01 Ingineria drumurilor în general**CT 187****SR 1848-1:2024****E**

Semnalizare rutieră – Indicatoare și mijloace de semnalizare rutieră – Partea 1: Clasificare, simboluri și amplasare

Inlocuiește SR 1848-1:2011

93.080.30 Mașini și utilaje pentru construcția de drumuri**CT 187****SR EN 12368:2024****A**

Echipament pentru dirijarea traficului. Semafoare

Inlocuiește SR EN 12368:2015

CT 187

SR EN 17383:2024

A

Dispozitive pentru reducerea zgomotului din traficul rutier. Sustenabilitate: Declarația indicatorilor cheie de performanță (KPI)

97.040.20 Aragaze, aparate de încălzire, cuptoare și aparate similare

CT 238

SR EN 60704-2-14:2013/A2:2024

A

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

97.130.20 Aparat de răcit comerciale

CT 147

SR EN ISO 22042:2021/A1:2024

A

Dulapuri de răcire și de congelare rapidă de uz profesional. Clasificare, cerințe și condiții de încercare. Amendament 1

97.140 Mobilă

CT 118

SR EN 14988+A2:2024

A

Scaune înalte pentru copii. Cerințe și metode de încercare
Inlocuieste SR EN 14988+A1:2020

97.190 Echipamente pentru copii

CT 118

SR EN 14988+A2:2024

A

Scaune înalte pentru copii. Cerințe și metode de încercare
Inlocuieste SR EN 14988+A1:2020

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

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

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

07.100.99 Alte standarde referitoare la microbiologie

SR EN 12225:2020 NCT

Geosintetice. Metoda de determinare a rezistenței microbiologice prin încercarea de îngropare în pământ

Data aprobării: 23.12.2020

Data traducerii: 31.05.2024

13.220.10 Lupta contra incendiilor

SR EN 1568-1:2018 NCT

Agenți de stingere a incendiilor. Spumant concentrat. Partea 1: Specificație pentru spumant concentrat de medie înfoiere destinați aplicării pe suprafața lichidelor nemiscibile cu apa

Data aprobării: 31.07.2018

Data traducerii: 31.05.2024

SR EN 1568-2:2018 NCT

Agenți de stingere a incendiilor. Spumant concentrat. Partea 2: Specificație pentru spumant concentrat de înaltă înfoiere destinați aplicării pe suprafața lichidelor nemiscibile cu apa

Data aprobării: 31.07.2018

Data traducerii: 31.05.2024

13.220.20 Protecția contra incendiilor

SR EN 54-3+A1:2019 NCT

Sisteme de detectare și de alarmare la incendiu. Partea 3: Dispozitive de alarmare la incendiu. Dispozitive de alarmare acustică

Data aprobării: 30.08.2019

Data traducerii: 31.05.2024

13.320 Sisteme de alarmă și de alertare

SR EN 17355:2020 NCT

Aplicații feroviare – Dispozitiv de comunicație pentru calea ferată urbană – Cerințele sistemului

Data aprobării: 30.09.2020

Data traducerii: 24.05.2024

17.140.30 Zgomot emis de mijloace de transport

SR EN ISO 3381:2021 NCT

Aplicații feroviare – Acustică – Măsurarea zgomotului în interiorul vehiculelor care circulă pe șine

Data aprobării: 29.10.2021

Data traducerii: 24.05.2024

21.100.20 Rulmenți

SR EN 12080+A1:2022 NCT

Aplicații feroviare – Cutii de osie – Rulmenți

Data aprobării: 31.10.2022

Data traducerii: 24.05.2024

27.075 Tehnologii referitoare la hidrogen

SR CEN/TS 17977:2024 NCT

Infrastructura pentru gaze — Calitatea gazelor — Rețele de gaze convertite pentru funcționare cu hidrogen

Data aprobării: 15.05.2024

Data traducerii: 31.05.2024

35.030 Securitatea IT

SR CLC/TS 50701:2023 NCT

Aplicații feroviare – Securitate cibernetică

Data aprobării: 29.09.2023

Data traducerii: 13.05.2024

45.020 Ingineria căilor ferate în general

SR EN ISO 3381:2021 NCT

Aplicații feroviare – Acustică – Măsurarea zgomotului în interiorul vehiculelor care circulă pe șine

Data aprobării: 29.10.2021

Data traducerii: 24.05.2024

SR CLC/TS 50701:2023 NCT

Aplicații feroviare – Securitate cibernetică

Data aprobării: 29.09.2023

Data traducerii: 13.05.2024

45.040 Materiale și componente pentru căi ferate

SR EN 15328:2020 NCT

Aplicații feroviare – Frânare – Garnituri de frână
Data aprobării: 31.08.2020
Data traducerii: 24.05.2024

SR EN 13261:2020 NCT

Aplicații feroviare – Osii montate și boghiuri – Osii-axe – Cerințe pentru produs
Data aprobării: 30.10.2020
Data traducerii: 24.05.2024

SR EN 13260:2020 NCT

Aplicații feroviare – Osii montate și boghiuri – Osii montate – Cerințe pentru produs
Data aprobării: 30.10.2020
Data traducerii: 24.05.2024

SR EN 12080+A1:2022 NCT

Aplicații feroviare – Cutii de osie – Rulmenți
Data aprobării: 31.10.2022
Data traducerii: 24.05.2024

SR EN 13103-1+A1:2023 NCT

Aplicații feroviare - Osii montate și boghiuri - Partea 1: Metode de proiectare pentru osiile-axă cu fusuri exterioare
Data aprobării: 28.02.2023
Data traducerii: 13.05.2024

45.060.01 Material rulant pentru căi ferate în general

SR EN 17355:2020 NCT

Aplicații feroviare – Dispozitiv de comunicație pentru calea ferată urbană – Cerințele sistemului
Data aprobării: 30.09.2020
Data traducerii: 24.05.2024

SR EN 14601+A2:2022 NCT

Aplicații feroviare - Robinete frontale drepte și în unghi pentru conductele generale de frânare și conductele principale
Data aprobării: 31.01.2022
Data traducerii: 13.05.2024

SR EN 15437-1+A1:2023 NCT

Aplicații feroviare – Monitorizarea stării cutiilor de osii – Cerințe pentru interfață și proiectare – Partea 1: Echipament pentru cale și cutii de osii pentru material rulant
Data aprobării: 28.02.2023
Data traducerii: 13.05.2024

SR EN 15437-2+A1:2023 NCT

Aplicații feroviare – Monitorizarea stării cutiilor de osii – Cerințe pentru interfață și proiectare – Partea 2: Cerințe de performanță și proiectare pentru sistemele îmbarcate de monitorizare a temperaturii

Data aprobării: 28.02.2023

Data traducerii: 13.05.2024

SR EN 15355+A1:2023 NCT

Aplicații feroviare – Frânare – Distribuitoare de aer și robinete de izolare ale distribuitorului
Data aprobării: 30.06.2023
Data traducerii: 13.05.2024

47.020.10 Corpul navei și elemente de structură ale corpului navei

SR EN 1502:2023 NCT

Nave de navigație interioară – Scări de îmbarcare
Data aprobării: 31.03.2023
Data traducerii: 13.05.2024

SR EN 17361:2023 NCT

Nave de navigație interioară – Scări de bord exterioare
Data aprobării: 31.03.2023
Data traducerii: 13.05.2024

47.020.50 Mașini, echipamente și instalații pentru punte

SR EN ISO 9519:2023 NCT

Nave și tehnologie maritimă – Trepte simple și trepte pentru scări
Data aprobării: 31.10.2023
Data traducerii: 13.05.2024

47.060 Nave de navigație interioară

SR EN 1502:2023 NCT

Nave de navigație interioară – Scări de îmbarcare
Data aprobării: 31.03.2023
Data traducerii: 13.05.2024

SR EN 17361:2023 NCT

Nave de navigație interioară – Scări de bord exterioare
Data aprobării: 31.03.2023
Data traducerii: 13.05.2024

47.080 Nave de agrement

SR EN ISO 11592-2:2022 NCT

Nave mici. Determinarea puterii maxime de propulsie utilizând viteza de manevră. Partea 2: Ambarcațiuni cu lungimea corpului cuprinsă între 8 m și 24 m

Data aprobării: 31.01.2022
Data traducerii: 24.05.2024

SR EN ISO 13297:2021/A1:2022 NCT

Nave mici – Instalații electrice – Instalații de curent alternativ și continuu – Amendament 1
Data aprobării: 29.11.2022
Data traducerii: 24.05.2024

SR EN ISO 12216:2022/A1:2022 NCT

Nave mici – Ferestre, hublouri, capace, iluminatoare fixe și uși – Cerințe referitoare la rezistență și etanșeitate – Amendament 1
Data aprobării: 29.11.2022
Data traducerii: 13.05.2024

SR EN ISO 21487:2023 NCT

Nave mici – Tancuri cu combustibil tip benzină și tip motorină, instalate permanent
Data aprobării: 28.04.2023
Data traducerii: 13.05.2024

SR EN ISO 11591:2020/A1:2023 NCT

Nave mici – Câmp vizual la nivelul timonei – Amendament 1
Data aprobării: 28.04.2023
Data traducerii: 24.05.2024

SR EN ISO 13297:2021/A11:2023 NCT

Nave mici – Instalații electrice – Instalații de curent alternativ și continuu
Data aprobării: 31.05.2023
Data traducerii: 13.05.2024

SR EN ISO 15083:2020/A11:2023 NCT

Nave mici – Sisteme de pompe de santină
Data aprobării: 31.05.2023
Data traducerii: 24.05.2024

SR EN ISO 12216:2022/A11:2023 NCT

Nave mici - Ferestre, hublouri, capace, iluminatoare fixe și uși - Cerințe referitoare la rezistență și etanșeitate
Data aprobării: 31.05.2023
Data traducerii: 13.05.2024

59.080.70 Geotextile**SR EN 12226:2012 NCT**

Geosintetice. Încercări generale pentru evaluarea după încercarea de durabilitate
Data aprobării: 29.06.2012
Data traducerii: 31.05.2024

SR EN ISO 13427:2015 NCT

Geosintetice. Simularea deteriorării prin abraziune (încercare cu bloc glisant)

Data aprobării: 29.05.2015
Data traducerii: 31.05.2024

SR EN ISO 13437:2020 NCT

Geosintetice. Instalarea și prelevarea eșantioanelor din teren pentru evaluarea durabilității
Data aprobării: 31.01.2020
Data traducerii: 31.05.2024

SR EN ISO 10722:2020 NCT

Geosintetice. Procedură de încercare pentru evaluarea deteriorării mecanice sub încărcări repetate. Deteriorare determinată de materiale granulare (metodă de încercare în laborator)
Data aprobării: 31.03.2020
Data traducerii: 31.05.2024

SR EN ISO 12956:2020 NCT

Geotextile și produse înrudite cu geotextilele. Determinarea mărimii deschiderii de filtrare caracteristice
Data aprobării: 30.04.2020
Data traducerii: 31.05.2024

SR EN 12225:2020 NCT

Geosintetice. Metoda de determinare a rezistenței microbiologice prin încercarea de îngropare în pământ
Data aprobării: 23.12.2020
Data traducerii: 31.05.2024

SR EN ISO 25619-1:2021 NCT

Geosintetice. Determinarea comportării la compresiune. Partea 1: Proprietăți de fluaj la compresiune
Data aprobării: 31.05.2021
Data traducerii: 31.05.2024

75.060 Gaz natural**SR CEN ISO/TS 2610:2024 NCT**

Analiza gazelor naturale. Biometan. Determinarea conținutului de amine
Data aprobării: 15.05.2024
Data traducerii: 31.05.2024

75.180.01 Mașini și utilaje pentru industria petrolieră și a gazului natural în general**SR CEN/TS 17977:2024 NCT**

Infrastructura pentru gaze — Calitatea gazelor — Rețele de gaze convertite pentru funcționare cu hidrogen
Data aprobării: 15.05.2024
Data traducerii: 31.05.2024

77.040.10 Încercări mecanice ale metalelor

SR EN ISO 6892-1:2020 NCT

Materiale metalice – Încercarea la tracțiune –
Partea 1: Metodă de încercare la temperatura
ambiantă

Data aprobării: 31.03.2020

Data traducerii: 31.05.2024

91.140.40 Sisteme de alimentare cu gaz

SR CEN/TR 16395:2024 NCT

Infrastructura pentru gaze – CEN/TC 234 Definiții
referitoare la presiune – Linii directe

Data aprobării: 15.05.2024

Data traducerii: 31.05.2024

93.100 Construcții de căi ferate

SR EN 13231-1:2013

NCT

Aplicații feroviare – Cale – Recepția lucrărilor –
Partea 1: Lucrări la calea cu prisma căii din piatră
spartă – Linie curentă și aparate de cale

Data aprobării: 31.10.2013

Data traducerii: 13.05.2024

Inlocuit prin SR EN 13231-1:2023

SR EN 13848-6+A1:2021

NCT

Aplicații feroviare – Cale – Calitatea geometriei
căii – Partea 6: Caracterizarea calității geometriei
căii

Data aprobării: 29.01.2021

Data traducerii: 13.05.2024

STANDARDE ROMÂNE ORIGINALE CONFIRMATE

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

CT 52- Calitatea apei

STAS 3223/1-92

Apă potabilă. Determinarea conținutului de potasiu

SR 7510:1997

Calitatea apei. Determinarea conținutului de sulfuri. Metoda iodometrică

STAS 3223/2-80

Apă potabilă. Determinarea sodiului

SR 7566:1993

Apă și abur din instalațiile de cazane. Determinarea conținutului de silice. Metoda spectrofotometrică

STAS 3225-61

Apă potabilă. Determinarea siliciului

STAS 7661-89

Ape de suprafață și ape uzate. Determinarea conținutului de sulfiți

STAS 3263-61

Apă potabilă. Determinarea conținutului de bioxid de carbon

STAS 7688-84

Apă și abur din instalațiile de cazane. Determinarea oxigenului dizolvat

STAS 3638-76

Apă potabilă. Determinarea rezidului fix

STAS 7722-84

Apă și abur din instalațiile de cazane. Determinarea conductivității electrice

STAS 3662-90

Apă potabilă. Determinarea conținutului de calciu

SR 7877-1:1995

Calitatea apei. Determinarea conținutului de produse petroliere. Metoda gravimetrică

STAS 6329-90

Apă potabilă. Analiza biologică

SR 7877-2:1995

Calitatea apei. Determinarea conținutului de produse petroliere. Metoda spectrofotometrică

STAS 6364-78

Apă potabilă. Determinarea clorului rezidual

STAS 6674-77

Apă potabilă. Determinarea magneziului

STAS 7961-80

Apă și abur din instalațiile de cazane. Determinarea clorurilor

STAS 6953-81

Ape de suprafață și ape uzate. Determinarea conținutului de materii în suspensie, a pierderii la calcinare și a rezidului de calcinare

STAS 8190-68

Ape de suprafață și ape uzate. Determinarea argintului

STAS 7313-82

Apă și abur din instalațiile de cazane. Determinarea durtății, alcalinității și acidității

STAS 8220-68

Apă și abur din instalațiile de cazane. Determinarea materiilor în suspensie

STAS 8295-69

Ape de suprafață și ape uzate. Determinarea sodiului și potasiului

STAS 8996-71

Apă și abur din instalațiile de cazane. Determinarea fierului

STAS 8549-70

Apă și abur din instalații de cazane. Determinarea fosfaților

STAS 9151-72

Apă și abur din instalațiile de cazane. Determinarea ionului amoniu

SR 8662-1:1996

Calitatea apei. Determinarea conținutului de mangan. Metoda spectrometrică cu oxidare a manganului la ionul permanganic

STAS 9187-84

Ape de suprafață, ape subterane și ape uzate. Determinarea rezidului

SR 8662-2:1996

Calitatea apei. Determinarea conținutului de mangan. Metoda spectrometrică de absorbție atomică

SR 9888:2001

Calitatea apei. Determinarea biodegradabilității agenților de suprafață anionici și neionici

STAS 8684-70

Ape de suprafață și ape uzate. Determinarea sulfului mercaptanic

STAS 11592-83

Apă. Determinarea conținutului de potasiu 40

SR 8860-1:1993

Apă și abur din instalațiile de cazane. Determinarea conținutului de sodiu și de potasiu. Metoda spectrofotometrică cu flacără

STAS 12130-82

Apă. Determinarea uraniului natural și toriului natural

SR 8860-2:1993

Apă și abur din instalațiile de cazane. Determinarea conținutului de sodiu și de potasiu. Metoda electrochimică

STAS 12205-84

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de fosfor

SR 8965-1:1995

Apă și abur din instalațiile de cazane. Determinarea conținutului de cupru. Metoda spectrofotometrică cu neocuproină

STAS 12248-84

Sediment. Determinarea radioactivității beta globale

SR 8965-2:1995

Apă și abur din instalațiile de cazane. Determinarea conținutului de cupru. Metoda spectrometrică de absorbție atomică

SR 12303:1997

Calitatea apei. Determinarea conținutului de cesiu 137

SR 8965-3:1995

Apă și abur din instalațiile de cazane. Determinarea conținutului de cupru. Metoda electrochimică

STAS 12327-85

Apă. Analiza amestecului de gama nuclizi

STAS 12435-86

Apă. Determinarea conținutului de plumb 210

STAS 12444-86

Apă. Determinarea conținutului de poloniu 210

STAS 12526-87

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Luarea și conservarea probelor

STAS 12586-87

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea umidității, a substanței uscate, a pierderilor la calcinare (substanțe volatile) și a substanțelor minerale

STAS 12607-88

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de substanțe extractibile în eter de petrol

STAS 12663-88

Apă potabilă. Determinarea conținutului de seleniu

STAS 12678-88

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de sodiu și de potasiu

SR 12702:1997

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Vocabular

STAS 12754-89

Apă de mare. Determinarea conținutului de azotiți

STAS 12774-89

Apă din bazine de înot și din zone naturale amenajate pentru înot. Determinarea transparenței

STAS 12780-89

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea rezistenței specifice la filtrare sub vid

STAS 12833-90

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de magneziu

STAS 12834-90

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de calciu

STAS 12875-90

Ape de suprafață și ape uzate. Determinarea conținutului de acetona

STAS 12876-90

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de cadmiu

STAS 12997-91

Apă potabilă. Determinarea conținutului de trihalometani

STAS 12999-91

Apă de mare. Determinarea conținutului de azotați

STAS 13094-92

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de nichel

STAS 13116-92

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea coeficientului de compresibilitate.

STAS 13117-92

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de crom

SR 13158:1993

Apă potabilă. Determinarea dozei de clor pentru dezinfecție

SR 13161:1993

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea timpului de crăpare a turtei de nămol

SR 13179:1994

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de cupru

SR 13181:1994

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de zinc

SR 13183:1994

Ape de suprafață și ape uzate. Determinarea conținutului sulfocianuri. Metoda spectrofotometrică cu clorură de fier (III)

SR 13208:1994

Ape de suprafață și ape uzate. Determinarea conținutului de nitro-etil-benzen. Metoda cromatografică în fază gazoasă

SR 13213:1995

Calitatea apei. Determinarea conținutului de paranitrofenol

SR 13216:1994

Ape de suprafață și ape uzate. Teste cu organisme acvatice. Determinarea toxicității letale acute a impurificatorilor și apelor uzate față de pești dulcicoli (euritermi)

SR 13225:1995

Nămoluri rezultate de la tratarea apelor de suprafață și epurarea apelor uzate. Determinarea conținutului de plumb. Metoda spectrometrică de absorbție atomică

SR 13252:1995

Calitatea apei. Determinarea conținutului de uree. Metoda spectrofotometrică cu p-dimetilaminobenzaldehidă

SR 13315:1996

Calitatea apei. Determinarea conținutului de fier. Metoda spectrometrică de absorbție atomică

SR 13328:1996

Calitatea apei. Teste cu organisme acvatice. Determinarea toxicității impurificatorilor față de algele verzi

STANDARDE ROMÂNE ORIGINALE CARE INTRĂ ÎN REVIZUIRE

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

CT 52- Calitatea apei

SR 9450:2024

Data aprobarii: 15.06.2024

STAS 3069-87 Apă potabilă.

Determinarea conținutului de sulfat

SR 7587:1996 Calitatea apei. Determinarea substanțelor extractabile cu solvenți. Metoda gravimetrică

STAS 8286-69 Apă și abur din instalațiile de cazane. Determinarea oxidabilității

STAS 8601-70 Ape de suprafață și ape uzate. Determinarea sulfatilor

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 52- Calitatea apei

STAS 12031:1984

Data anularii: 31.05.2023

STAS 1342-91 Apă potabilă

STAS 2018-80 Densitatea și viscozitatea apei

STAS 8484-69 Ape de suprafață și ape uzate. Determinarea toluenului

STAS 8507-70 Ape de suprafață și ape uzate. Determinarea anilinei

STAS 8562-70 Ape de suprafață și ape uzate. Determinarea naftalinei

STAS 8563-70 Ape de suprafață și ape uzate. Determinarea hidrazinei

STAS 8581-70 Ape de suprafață și ape uzate. Determinarea sulfurii de carbon

STAS 8582-70 Ape de suprafață și ape uzate. Determinarea alfa și beta naftolului

STAS 8612-78 Apă și abur din instalațiile de cazane. Determinarea aluminiului

STAS 8685-70 Ape de suprafață și ape uzate. Determinarea furfurolului

STAS 8716-70 Ape de suprafață și ape uzate. Determinarea chinoleinei

STAS 8717-70 Ape de suprafață și ape uzate. Determinarea benzaldehidei

STAS 8891-71 Ape de suprafață și ape uzate. Determinarea compușilor

hidroxiaromatici

STAS 8911-71 Ape de suprafață și ape uzate. Determinarea bioxidului de carbon total

STAS 8997-79 Apă și abur din instalațiile de cazane. Determinarea hidrazinei

STAS 9411-83 Ape de suprafață și ape uzate. Determinarea aluminiului

STAS 10258-75 Apă potabilă.

Determinarea bariului

STAS 10267-89 Apă potabilă.

Determinarea conținutului de mercur

SR 10447-3:1996 Apă. Determinarea

conținutului de radium 226

STAS 10556-76 Apă și abur din

instalațiile de cazane. Determinarea rezidului

STAS 10847-77 Apă potabilă.

Determinarea cianurilor libere

STAS 11003-77 Apă potabilă.

Determinarea iodului

STAS 11139-78 Apă potabilă.

Determinarea fenil-betanaftilaminei

STAS 11197-79 Apă și abur din

instalațiile de cazane. Determinarea activității

ionilor de hidrogen în ape cu conductivitate electrică redusă

STAS 11422-84 Ape de suprafață și

ape uzate. Determinarea moliobdenului

STAS 12037-81 Apă potabilă.

Determinarea conținutului de stronțiu 90

STAS 12200-85 Nămoluri rezultate de

la tratarea apelor de suprafață și epurarea

apelor uzate. Determinarea conținutului de

azot

STAS 12218-84 Apă. Determinarea

conținutului de iod 131

STANDARDIZAREA EUROPEANĂ

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

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

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



În perioada **2024.05.01 – 2024.05.31**

EN 17821:2023/AC:2024

Building valves - Frost resistant taps for outdoor use (FRT) - General technical specification

doa: dop: dow:

01.040 Vocabulare
**01.040.13 Mediu. Protecția sănătății.
 Securitate. (Vocabulare)**
EN ISO 24161:2024

Waste collection and transportation management - Vocabulary (ISO 24161:2022)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

**01.040.91 Construcții și materiale de
 construcții. (Vocabulare)**
EN 12665:2024

Light and lighting - Basic terms and criteria for specifying lighting requirements

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

01.100 Desene tehnice
01.100.30 Desene pentru construcții
EN ISO 22014:2024

Library objects for architecture, engineering, construction and use (ISO 22014:2024)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

**03.100 Organizarea și
 managementul întreprinderii.
 Sisteme de management**
**03.100.01 Organizarea și
 managementul întreprinderii în
 general**
EN ISO 56008:2024

Innovation management - Tools and methods for innovation operation measurements - Guidance (ISO 56008:2024)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

03.100.40 Cercetare și dezvoltare
EN ISO 56008:2024

Innovation management - Tools and methods for innovation operation measurements - Guidance (ISO 56008:2024)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

03.100.70 Sisteme de management
EN ISO 22163:2024

Railway applications - Railway quality management system - ISO 9001:2015 and specific requirements for application in the railway sector (ISO 22163:2023)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

07.100 Microbiologie
07.100.30 Microbiologie alimentară
CEN ISO/TS 15213-3:2024

Microbiology of the food chain - Horizontal method for the detection and enumeration of Clostridium spp. - Part 3: Detection of Clostridium perfringens (ISO/TS 15213-3:2024)

doa: 2024-08-31 dop: 2022-03-16

dow: 2022-03-16

EN 17855:2024

Foodstuffs - Minimum performance requirements for quantitative measurement of the food allergens milk, egg, peanut, hazelnut, almond, walnut, cashew, pecan nut, brazil nut, pistachio nut, macadamia nut, wheat, lupine, sesame, mustard, soy, celery, fish, molluscs and crustaceans

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

**11.020 Medicină și echipamente
 pentru îngrijire medicală în general**
**11.020.10 Servicii de îngrijire medicală
 în general.**
EN ISO 21388-2:2024

Acoustics - Hearing Aid Fitting Management - Part 2: Tele-services as part of hearing aid fitting management (tHAFM) (ISO 21388-2:2024)

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

11.060 Stomatologie

11.060.20 Echipament stomatologic

EN ISO 23402-3:2024

Dentistry - Portable dental equipment for use in non-permanent healthcare environment - Part 3: Portable suction equipment (ISO 23402-3:2024)

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

11.080 Sterilizare și dezinfectare

11.080.01 Sterilizare și dezinfectare în general

EN ISO 17665:2024

Sterilization of health care products - Moist heat - Requirements for the development, validation and routine control of a sterilization process for medical devices (ISO 17665:2024)

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

11.140 Echipament pentru spitale

EN 455-2:2024

Medical gloves for single use - Part 2: Requirements and testing for physical properties

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

11.180 Ajutoare pentru invalizi sau persoane cu handicap

11.180.15 Mijloace ajutătoare pentru surzi și pentru persoane cu deficiențe auditive

EN ISO 21388-2:2024

Acoustics - Hearing Aid Fitting Management - Part 2: Tele-services as part of hearing aid fitting management (tHAFM) (ISO 21388-2:2024)

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

13.020 Protecția mediului

13.020.30 Studii de impact asupra mediului

EN 15119-2:2024

Durability of wood and wood-based products - Determination of emissions from preservative treated wood to the environment - Part 2: Wooden commodities exposed in Use Class 4 or 5 (in contact with the ground, fresh water or sea water) - Laboratory method

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

13.030 Deșeuri

13.030.01 Deșeuri în general

EN ISO 24161:2024

Waste collection and transportation management - Vocabulary (ISO 24161:2022)

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

13.030.50 Reciclarea deșeurilor

CWA 18119:2024

A methodology to improve the recyclability rate of Strategic/Critical Metals from car electronics

doa: dop: dow:

13.040 Calitatea aerului

13.040.40 Emisii de la surse fixe

CEN/TR 1404:2024

Test gases - Determination of emissions from appliances burning gaseous fuels during type-testing

doa: dop: dow:

CEN/TS 18040:2024

Stationary source emissions - Determination of the mass concentration of formaldehyde - Automatic method

doa: 2024-08-31 dop: dow:

13.060 Calitatea apei

13.060.30 Ape uzate

EN 12255-8:2024

Wastewater treatment plants - Part 8: Sludge treatment and storage

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

13.080 Calitatea solului. Pedologie

13.080.05 Examinarea solului în general

doa: 2024-08-31 dop: 2024-11-30
dow: 2026-05-31

EN ISO 23611-2:2024

Soil quality - Sampling of soil invertebrates - Part 2: Sampling and extraction of microarthropods (Collembola and Acarina) (ISO 23611-2:2024)

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

13.080.30 Proprietăți biologice ale solurilor

EN ISO 18187:2024

Soil quality - Contact test for solid samples using the dehydrogenase activity of *Arthrobacter globiformis* (ISO 18187:2024)

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

EN ISO 23611-2:2024

Soil quality - Sampling of soil invertebrates - Part 2: Sampling and extraction of microarthropods (Collembola and Acarina) (ISO 23611-2:2024)

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

13.100 Securitate profesională. Igienă industrială

EN ISO 10882-1:2024

Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 1: Sampling of airborne particles (ISO 10882-1:2024)

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

EN ISO 10882-2:2024

Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 2: Sampling of gases (ISO 10882-2:2024)

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

13.110 Securitatea mașinilor și aparatelor

EN ISO 19085-6:2024

Woodworking machines - Safety - Part 6: Single spindle vertical moulding machines (toupie) (ISO 19085-6:2024)

13.220 Protecția contra incendiilor

13.220.20 Protecția contra incendiilor

EN 12845-3:2024

Fixed firefighting systems - Automatic sprinkler systems - Part 3: Guidance for earthquake bracing

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

13.300 Protecția contra produselor periculoase

EN 12972:2018+A1:2024

Tanks for the transport of dangerous goods - Testing, inspection and marking of metallic tanks

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

13.340 Echipament de protecție individuală

13.340.10 Îmbrăcăminte de protecție

EN 14325:2018+A1:2024

Protective clothing against chemicals - Test methods and performance classification of chemical protective clothing materials, seams, joints and assemblages

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

EN ISO 24231:2024

Protective clothing - Protection against rain - Test method for ready-made garments against high-energy droplets from above (ISO 24231:2024)

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

13.340.50 Echipamente de protecție pentru picior

EN 14404-1:2024

Personal protective equipment - Knee protectors for work in the kneeling position - Part 1: Test methods

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

EN 14404-2:2024

Personal protective equipment - Knee protectors for work in the kneeling position -

Part 2: Requirements for wearable knee protectors (type 1)

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

EN 14404-3:2024

Personal protective equipment - Knee protectors for work in the kneeling position - Part 3: Requirements for the individual combination of knee pads and garments (type 2)

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

EN 14404-4:2024

Personal protective equipment - Knee protectors for work in the kneeling position - Part 4: Requirements for the combination of interoperable knee pads and garments (type 2)

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

EN 14404-5:2024

Personal protective equipment - Knee protectors for work in the kneeling position - Part 5: Requirements for knee mats (type 3)

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

EN 14404-6:2024

Personal protective equipment - Knee protectors for work in the kneeling position - Part 6: Requirements for kneeling systems (type 4)

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

17.120 Mijloace de măsurare a debitului fluidelor

17.120.20 Măsurarea debitului în conducte deschise

CEN/TS 18041:2024

Hydrometry - Sedimentation - Measurements required for effective sediment management and control at river structures

doa: 2024-08-31 dop: dow:

17.140 Acustică și măsurări acustice

17.140.01 Măsurări acustice și atenuarea zgomotului în general

EN ISO 21388-2:2024

Acoustics - Hearing Aid Fitting Management -

Part 2: Tele-services as part of hearing aid fitting management (tHAFM) (ISO 21388-2:2024)

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

19.060 Încercări mecanice

CWA 18107-1:2024

Advanced fatigue testing methods — Part 1: Self-heating measurements

doa: dop: dow:

19.100 Încercări nedistructive

EN ISO 18563-3:2024

Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 3: Complete systems (ISO 18563-3:2024)

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

23.020 Mijloace pentru stocarea fluidelor

23.020.10 Rezervoare și bazine fixe

EN 14620-1:2024

Design and manufacture of site built, vertical, cylindrical, flat-bottomed tank systems for the storage of refrigerated, liquefied gases with operating temperatures between 0 °C and -196 °C - Part 1: General

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

23.020.20 Rezervoare și recipiente montate pe vehicule

EN 12972:2018+A1:2024

Tanks for the transport of dangerous goods - Testing, inspection and marking of metallic tanks

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

23.020.35 Butelii de gaz

EN 13322-1:2024

Transportable gas cylinders - Refillable welded steel gas cylinders - Design and construction - Part 1: Carbon steel

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

EN ISO 14456:2024

Gas cylinders - Gas properties and

associated classification (FTSC) codes (ISO 14456:2024)

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

23.040 Conducte și accesorii

23.040.70 Furtunuri flexibile

EN ISO 2398:2024

Rubber hoses, textile-reinforced, for compressed air - Specification (ISO 2398:2024)

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

EN ISO 4641:2024

Rubber hoses and hose assemblies for water suction and discharge - Specification (ISO 4641:2024)

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

EN ISO 6224:2024

Thermoplastics hoses, textile-reinforced, for general-purpose water applications - Specification (ISO 6224:2024)

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

25.030 Fabricația aditivă

EN ISO/ASTM 52928:2024

Additive manufacturing of metals - Feedstock materials - Powder life cycle management (ISO/ASTM 52928:2024)

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

25.160 Sudare și lipire

25.160.01 Sudare și lipire în general

EN ISO 10882-1:2024

Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 1: Sampling of airborne particles (ISO 10882-1:2024)

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

EN ISO 10882-2:2024

Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 2: Sampling of gases (ISO 10882-2:2024)

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

25.160.50 Lipire

EN ISO 3677:2024

Filler metal for brazing - Designation (ISO 3677:2024)

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

EN ISO 12224-1:2024

Solder wire, solid and flux-cored - Specification and test methods - Part 1: Classification and performance requirements (ISO 12224-1:2024)

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

EN ISO 12224-2:2024

Solder wire, solid and flux-cored - Specification and test methods - Part 2: Determination of flux content (ISO 12224-2:2024)

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

EN ISO 17672:2024

Brazing - Filler metals (ISO 17672:2024)

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

27.060 Arzătoare. Boilere

27.060.10 Arzătoare cu combustibil lichid și solid

EN ISO 6806:2024

Rubber hoses and hose assemblies for use in oil burners - Specification (ISO 6806:2024)

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

27.060.30 Boilere și schimbătoare de căldură

CEN/TS 15502-3-1:2024

Gas-fired central heating boilers - Part 3-1: H2NG and ACCF - Expansion of EN 15502-2-1:2022

doa: 2024-08-31 dop: dow:

27.075 Tehnologii referitoare la hidrogen

CEN/TS 15502-3-1:2024

Gas-fired central heating boilers - Part 3-1: H2NG and ACCF - Expansion of EN 15502-

2-1:2022

doa: 2024-08-31 dop: dow:

27.080 Pompe de căldură**EN 12309-3:2024**

Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW - Part 3: Requirements, test conditions and test methods

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

27.120 Energie nucleară**27.120.30 Materiale fisionabile și tehnologia combustibililor nucleari****EN ISO 12183:2024**

Nuclear fuel technology - Controlled-potential coulometric measurement of plutonium (ISO 12183:2024)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

27.190 Energie biologică și alte surse de energie alternativă**EN ISO 18847:2024**

Solid biofuels - Determination of particle density of pellets and briquettes (ISO 18847:2024)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

35.240 Aplicații privind tehnologia informației**35.240.60 Aplicații IT în transport****EN ISO 14823-1:2024**

Intelligent transport systems - Graphic data dictionary - Part 1: Specification (ISO 14823-1:2024)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

35.240.67 Aplicații IT în clădiri și industria de construcții**EN ISO 22014:2024**

Library objects for architecture, engineering, construction and use (ISO 22014:2024)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

43.020 Vehicule rutiere în general**CWA 18119:2024**

A methodology to improve the recyclability rate of Strategic/Critical Metals from car electronics

doa: dop: dow:

43.040 Sisteme pentru vehicule rutiere**43.040.15 Informatica pentru autovehicule. Sisteme informatice de bord****EN ISO 14823-1:2024**

Intelligent transport systems - Graphic data dictionary - Part 1: Specification (ISO 14823-1:2024)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

45.020 Ingineria căilor ferate în general**EN ISO 22163:2024**

Railway applications - Railway quality management system - ISO 9001:2015 and specific requirements for application in the railway sector (ISO 22163:2023)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

47.080 Nave de agrement**EN ISO 6185-3:2024**

Inflatable boats - Part 3: Boats with a length of the hull less than 8 m with a motor power rating of 15 kW and greater (ISO 6185-3:2024)

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

49.025 Materiale pentru aeronautică**49.025.40 Cauciuc și materiale plastice****EN 2559:2022/A1:2024**

Aerospace series - Carbon, glass and aramid fibre preimpregnates - Determination of the resin and fibre content and the mass of fibre per unit area

doa: 2024-08-31 dop: 2024-11-30

dow: 2024-11-30

53.040 Echipamente pentru transport continuu**53.040.10 Transportoare**

CEN/TR 18058:2024

Continuous handling equipment and systems
- Safety requirements for equipment for
mechanical handling of unit loads -
Interpretations relating to EN 619:2022

doa: dop: dow:

59.080 Produse din industria textilă

59.080.01 Textile în general

EN 17134-1:2024

Textiles and textile products - Determination
of biocide additives - Part 1: 2-Phenylphenol
and triclosan, method using liquid
chromatography

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

59.140 Industria pielăriei

59.140.30 Piei și blănuri

EN ISO 21135:2024

Chemicals for the leather tanning industry -
Determination of the total content of certain
bisphenols (ISO 21135:2024)

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

**65.060 Mașini și echipamente
agricole**

**65.060.40 Mașini pentru întreținerea
culturilor**

EN ISO 28139:2021/A1:2024

Equipment for crop protection - Knapsack
combustion engine-driven airblast sprayers -
Safety and environmental requirements and
test methods - Amendment 1 (ISO
28139:2019/Amd 1:2024)

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

65.120 Nutrețuri

EN ISO 30024:2024

Animal feeding stuffs - Determination of
phytase activity (ISO 30024:2024)

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

**67.050 Metode generale de analiză
pentru produse alimentare**

EN 17855:2024

Foodstuffs - Minimum performance
48

requirements for quantitative measurement of
the food allergens milk, egg, peanut,
hazelnut, almond, walnut, cashew, pecan nut,
brazil nut, pistachio nut, macadamia nut,
wheat, lupine, sesame, mustard, soy, celery,
fish, molluscs and crustaceans

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

**71.100 Produse din industria
chimică**

**71.100.50 Produse chimice pentru
protecția lemnului**

EN 15119-2:2024

Durability of wood and wood-based products
- Determination of emissions from
preservative treated wood to the environment
- Part 2: Wooden commodities exposed in
Use Class 4 or 5 (in contact with the ground,
fresh water or sea water) - Laboratory
method

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

75.060 Gaz natural

EN ISO 2615:2024

Analysis of natural gas - Biomethane -
Determination of the content of compressor
oil (ISO 2615:2024)

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

**75.080 Produse petroliere în
general**

EN ISO 23581:2024

Petroleum products and related products -
Determination of kinematic viscosity - Method
by Stabinger type viscometer (ISO
23581:2024)

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

75.160 Combustibili

75.160.10 Combustibili solizi

EN ISO 4349:2024

Solid recovered fuels - Determination of the
Recycling Index for co-processing (ISO
4349:2024)

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

75.160.40 Biocombustibili

EN 16300:2024

Automotive fuels - Determination of iodine value in fatty acid methyl esters (FAME) - Calculation method from gas chromatographic data

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

EN ISO 18847:2024

Solid biofuels - Determination of particle density of pellets and briquettes (ISO 18847:2024)

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

75.200 Mașini și utilaje pentru transportul produselor petroliere și a gazului natural**EN ISO 16961:2024**

Oil and gas industries including lower carbon energy - Internal coating and lining of steel storage tanks (ISO 16961:2024)

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

77.040 Încercările metalelor**77.040.10 Încercări mecanice ale metalelor****CWA 18107-2:2024**

Advanced fatigue testing methods — Part 2: Stiffness method

doa: dop: dow:

77.060 Coroziunea metalelor**EN ISO 7539-6:2018/A1:2024**

Corrosion of metals and alloys - Stress corrosion testing - Part 6: Preparation and use of precracked specimens for tests under constant load or constant displacement - Amendment 1 (ISO 7539-6:2018/Amd 1:2024)

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

EN ISO 11782-2:2008/A1:2024

Corrosion of metals and alloys - Corrosion fatigue testing - Part 2: Crack propagation testing using precracked specimens - Amendment 1 (ISO 11782-2:1998/Amd 1:2024)

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

77.120 Metale neferoase**77.120.10 Aluminii și aliaje de aluminiu****CWA 18112:2024**

Aluminium And Its Alloys - Fluidity Evaluation Via Multi Strip Testing Moulds

doa: dop: dow:

79.040 Lemn, gatere și lemn rotund**EN 1912:2024**

Structural Timber - Strength classes - Assignment of visual grades and species

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

79.120 Mașini și scule pentru prelucrarea lemnului**79.120.10 Mașini pentru prelucrarea lemnului****EN ISO 19085-6:2024**

Woodworking machines - Safety - Part 6: Single spindle vertical moulding machines (toupie) (ISO 19085-6:2024)

doa: 2024-08-31 dop: 2024-11-30
dow: 2026-05-31

81.080 Produse refractare**EN ISO 21068-1:2024**

Chemical analysis of raw materials and refractory products containing silicon-carbide, silicon-nitride, silicon-oxynitride and sialon - Part 1: General information, terminology and sample preparation (ISO 21068-1:2024)

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

83.140 Produse din cauciuc și materiale plastice**83.140.40 Furtunuri flexibile****EN ISO 6806:2024**

Rubber hoses and hose assemblies for use in oil burners - Specification (ISO 6806:2024)

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

85.080 Produse din hârtie**85.080.20 Hârtie igienico sanitară****EN ISO 12625-16:2024**

Tissue paper and tissue products - Part 16:

Determination of optical properties - Diffuse reflectance method for opacity (paper backing) (ISO 12625-16:2024)
doa: 2024-08-31 dop: 2024-11-30
dow: 2024-11-30

87.040 Vopsele și emailuri

EN ISO 11890-1:2024

Paints and varnishes - Determination of volatile organic compounds (VOC) and/or semi volatile organic compounds (SVOC) content - Part 1: Gravimetric method for VOC determination (ISO 11890-1:2024)
doa: 2024-08-31 dop: 2024-11-30
dow: 2024-11-30

91.010 Construcții civile în general

91.010.01 Construcții în general

EN ISO 22014:2024

Library objects for architecture, engineering, construction and use (ISO 22014:2024)
doa: 2024-08-31 dop: 2024-11-30
dow: 2024-11-30

91.060 Elemente ale construcțiilor

91.060.30 Plafoane. Planșee. Scări

EN 17823:2024

Acoustic properties of building elements and of buildings - Laboratory measurement of the impact sound insulation of stairs and stair isolating elements
doa: 2024-08-31 dop: 2024-11-30
dow: 2024-11-30

91.080 Structuri de construcții

91.080.13 Structuri de oțel

EN 1090-2:2018+A1:2024

Execution of steel structures and aluminium structures - Part 2: Technical requirements for steel structures
doa: 2024-08-31 dop: 2024-11-30
dow: 2024-11-30

91.100 Materiale de construcții

91.100.15 Materiale și produse minerale

EN 15167-2:2024

Ground granulated blast furnace slag for use in concrete, mortar and grout - Part 2:
50

Assessment and verification of constancy of performance
doa: 2024-08-31 dop: 2024-11-30
dow: 2024-11-30

91.100.50 Lianți. Materiale pentru etanșare

EN ISO 21265:2024

Building and civil engineering sealants - Assessment of the fungal growth on sealant surfaces (ISO 21265:2021)
doa: 2024-08-31 dop: 2024-11-30
dow: 2024-11-30

91.100.60 Materiale pentru izolație termică și fonică

EN ISO 23766:2024

Thermal insulating products for industrial installations - Determination of the coefficient of linear thermal expansion at sub-ambient temperatures (ISO 23766:2022)
doa: 2024-08-31 dop: 2024-11-30
dow: 2024-11-30

91.120 Protecția exterioară și interioară a clădirilor

91.120.10 Izolație termică

EN 17887-1:2024

Thermal performance of buildings - In situ testing of completed buildings - Part 1: Data collection for aggregate heat loss test
doa: 2024-06-30 dop: 2024-11-30
dow: 2024-11-30

EN 17887-2:2024

Thermal performance of buildings - In situ testing of completed buildings - Part 2: Steady-state data analysis for aggregate heat loss test
doa: 2024-06-30 dop: 2024-11-30
dow: 2024-11-30

EN 17888-1:2024

Thermal performance of buildings - In situ testing of building test structures - Part 1: Data collection for aggregate heat loss test
doa: 2024-06-30 dop: 2024-11-30
dow: 2024-11-30

EN 17888-2:2024

Thermal performance of buildings - In situ testing of building test structures - Part 2: Steady-state data analysis for aggregate heat loss test

doa: 2024-06-30 dop: 2024-11-30
dow: 2024-11-30

91.120.20 Acustică în clădiri. Izolație fonică

EN 17823:2024

Acoustic properties of building elements and of buildings - Laboratory measurement of the impact sound insulation of stairs and stair isolating elements

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

91.140 Instalații în clădiri

91.140.10 Sisteme de încălzire centrale

CEN/TS 15502-3-1:2024

Gas-fired central heating boilers - Part 3-1: H2NG and ACCF - Expansion of EN 15502-2-1:2022

doa: 2024-08-31 dop: dow:

91.140.30 Ventilație și climatizare

EN 1751:2024

Ventilation for buildings - Air terminal devices - Aerodynamic testing of damper and valves

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

EN 12309-3:2024

Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW - Part 3: Requirements, test conditions and test methods

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

91.160 Iluminat

91.160.01 Iluminatul în general

EN 12665:2024

Light and lighting - Basic terms and criteria for specifying lighting requirements

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

91.160.10 Iluminatul în interior

CEN/TS 18036:2024

Light and lighting - Commissioning of lighting systems in buildings

doa: 2024-08-31 dop: dow:

91.190 Accesorii pentru construcții

EN 16867:2020+A2:2024

Building hardware - Mechatronic door furniture - Requirements and test methods

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

93.020 Lucrări de terasament. Excavații. Fundații. Lucrări subterane

EN 12063:2024

Execution of special geotechnical work - Sheet pile walls, combined pile walls, high modulus walls

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

93.140 Construcția de canale, de porturi și diguri

CEN/TS 18041:2024

Hydrometry - Sedimentation - Measurements required for effective sediment management and control at river structures

doa: 2024-08-31 dop: dow:

97.040 Echipament de bucătărie

97.040.20 Aragaze, aparate de încălzire, cuptoare și aparate similare

CEN/TR 1404:2024

Test gases - Determination of emissions from appliances burning gaseous fuels during type-testing

doa: dop: dow:

În perioada **2024.05.01 – 2024.05.31**

- 11.040 Echipament medical**
- 11.040.50 Echipament radiologic**
- EN IEC 61223-3-8:2024**
Evaluation and routine testing in medical imaging departments - Part 3-8: Acceptance and constancy tests - Imaging performance of X-ray equipment for radiography and radioscopy
doa: 2024-07-30 dop: 2025-01-30
dow: 2027-04-30
- 13.260 Protecția contra electrocutării**
- EN 50528:2024**
Insulating ladders for use on or near low voltage electrical installations
doa: 2024-10-29 dop: 2025-04-29
dow: 2027-04-29
- 13.320 Sisteme de alarmă și de alertare**
- EN 50726-1:2024**
Emergency and danger systems - Part 1: Emergency and danger response systems (EDRS) - Basic requirements, duties, responsibilities and activities
doa: 2024-10-15 dop: 2025-04-15
dow: 2027-04-15
- 17.140 Acustică și măsurări acustice**
- 17.140.50 Electroacustică**
- EN IEC 60118-0:2024**
Electroacoustics - Hearing aids - Part 0: Measurement of the performance characteristics of hearing aids
doa: 2024-08-10 dop: 2024-11-10
dow: 2027-05-10
- 17.220 Electricitate. Magnetism. Măsurări electrice și magnetice**
- 17.220.20 Măsurări de mărimi electrice și magnetice**
- EN IEC 62057-3:2024**
Electrical energy meters - Test equipment, techniques and procedures - Part 3: Automatic meter testing system (AMTS)
doa: 2024-08-28 dop: 2025-02-28
dow: 2027-05-28
- 17.220.99 Alte standarde referitoare la electricitate și magnetism**
- EN IEC 62631-2-3:2024**
Dielectric and resistive properties of solid insulating materials - Part 2-3: Relative permittivity and dissipation factor - Contact electrode method for insulating films - AC methods
doa: 2024-08-10 dop: 2025-02-10
dow: 2027-05-10
- 19.040 Încercări de mediu**
- EN IEC 60721-3-9:2024**
Classification of environmental conditions - Part 3-9: Classification of groups of environmental parameters and their severities - Microclimates inside products
doa: 2024-08-16 dop: 2025-02-16
dow: 2027-05-16
- 25.040 Sisteme de automatizare industrială**
- 25.040.40 Măsurarea și controlul proceselor industriale**
- EN IEC 61784-3:2021/A1:2024**
Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions
doa: 2024-08-24 dop: 2025-02-24
dow: 2027-05-24
- EN IEC 61784-5-12:2024**
Industrial networks - Profiles - Part 5-12: Installation of fieldbuses - Installation profiles for CPF 12
doa: 2024-07-25 dop: 2025-01-25
dow: 2027-04-25
- EN IEC 61784-5-19:2024**
Industrial networks - Profiles - Part 5-19:

Installation of fieldbuses - Installation profiles for CPF 19

doa: 2024-08-08 dop: 2025-02-08
dow: 2027-05-08

EN IEC 61784-5-2:2018/A1:2024

Industrial communication networks - Profiles - Part 5-2: Installation of fieldbuses - Installation profiles for CPF 2

doa: 2024-07-25 dop: 2025-01-25
dow: 2027-04-25

EN IEC 61784-5-21:2018/A1:2024

Industrial communication networks - Profiles - Part 5-21: Installation of fieldbuses - Installation profiles for CPF 21

doa: 2024-07-26 dop: 2025-01-26
dow: 2027-04-26

EN IEC 61784-5-3:2018/A1:2024

Industrial communication networks - Profiles - Part 5-3: Installation of fieldbuses - Installation profiles for CPF 3

doa: 2024-07-30 dop: 2025-01-30
dow: 2027-04-30

EN IEC 61784-5-6:2024

Industrial networks - Profiles - Part 5-6: Installation of fieldbuses - Installation profiles for CPF 6

doa: 2024-08-08 dop: 2025-02-08
dow: 2027-05-08

EN IEC 61784-5-8:2024

Industrial networks - Profiles - Part 5-8: Installation of fieldbuses - Installation profiles for CPF 8

doa: 2024-08-08 dop: 2025-02-08
dow: 2027-05-08

25.140 Unelte de mână

25.140.20 Unelte electrice

EN 62841-2-11:2016/A11:2024

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-11: Particular requirements for hand-held reciprocating saws

doa: 2024-11-13 dop: 2025-05-13
dow: 2028-05-13

EN IEC 62841-2-6:2020/A1:2024

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-6: Particular requirements for hand-held hammers

doa: 2024-08-03 dop: 2024-11-03
dow: 2028-05-03

EN IEC 62841-2-6:2020/A12:2024

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-6: Particular requirements for hand-held hammers

doa: 2024-08-03 dop: 2024-11-03
dow: 2028-05-03

EN IEC 62841-4-6:2024

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums

doa: 2024-10-29 dop: 2025-04-29
dow: 2028-04-29

EN IEC 62841-4-6:2024/A11:2024

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-6: Particular requirements for garden blowers, garden vacuums and garden blower/vacuums

doa: 2024-10-29 dop: 2025-04-29
dow: 2028-04-29

25.140.30 Unelte portative de mână

EN 62841-2-11:2016/A11:2024

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-11: Particular requirements for hand-held reciprocating saws

doa: 2024-11-13 dop: 2025-05-13
dow: 2028-05-13

25.180 Cuptoare industriale

25.180.10 Cuptoare electrice

EN IEC 60519-6:2024

Safety in installations for electroheating and electromagnetic processing - Part 6: Particular requirements for high frequency dielectric and microwave heating and processing equipment

doa: 2024-07-03 dop: 2025-01-03
dow: 2027-04-03

27.070 Pile cu combustibil

EN IEC 62282-6-107:2024

Fuel cell technologies - Part 6-107: Micro fuel cell power systems - Safety - Indirect water-

reactive (Division 4.3) compounds
doa: 2024-08-10 dop: 2025-02-10
dow: 2027-05-10

29.035 Materiale electroizolante

29.035.01 Materiale electroizolante în general

EN IEC 62631-2-3:2024

Dielectric and resistive properties of solid insulating materials - Part 2-3: Relative permittivity and dissipation factor - Contact electrode method for insulating films - AC methods

doa: 2024-08-10 dop: 2025-02-10
dow: 2027-05-10

29.035.20 Materiale electroizolante din materiale plastice și cauciuc

EN IEC 60684-3-116:2024

Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 116 and 117: Extruded polychloroprene, general purpose

doa: 2024-08-01 dop: 2025-02-01
dow: 2027-05-01

29.045 Materiale semiconductoare

EN IEC 60146-1-1:2024

Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specification of basic requirements

doa: 2024-07-23 dop: 2025-01-23
dow: 2027-04-23

29.060 Conductoare și cabluri electrice

29.060.10 Conductoare

EN 60317-67:2017/A1:2024

Specifications for particular types of winding wires - Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105

doa: 2024-08-02 dop: 2025-02-02
dow: 2027-05-02

29.080 Izolații electrice

29.080.30 Sisteme de izolații electrice

EN 61858-1:2014/AC:2024-05

Electrical insulation systems - Thermal evaluation of modifications to an established

electrical insulation system (EIS) - Part 1: Wire-wound winding EIS
doa: dop: dow:

29.120 Accesorii electrice

29.120.40 Întreruptoare

EN IEC 60669-2-1:2022/AC:2024-05

Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic control devices

doa: dop: dow:

29.130 Aparate de conectare și comandă

29.130.10 Aparate de conectare și comandă de înaltă tensiune

EN IEC 62271-214:2024

High-voltage switchgear and controlgear - Part 214: Internal arc classification for AC metal-enclosed pole-mounted switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV

doa: 2024-08-21 dop: 2025-02-21
dow: 2027-05-21

29.130.20 Aparate de conectare și comandă de joasă tensiune

EN IEC 60947-1:2021/AC:2024-05

Low-voltage switchgear and controlgear - Part 1: General rules

doa: dop: dow:

29.140 Lămpi și accesorii

29.140.50 Instalații pentru iluminat

EN IEC 60598-2-2:2024

Luminaires - Part 2-2: Particular requirements - Recessed luminaires and recessed air-handling luminaires

doa: 2024-05-28 dop: 2024-11-28
dow: 2027-02-28

EN IEC 61820-1-2:2024

Electrical installations for lighting and beaconing of aerodromes - Part 1-2: Fundamental principles - Particular requirements for series circuits

doa: 2024-08-10 dop: 2025-02-10
dow: 2027-05-10

EN 62386-302:2017/A1:2024

Digital addressable lighting interface - Part

302: Particular requirements - Input devices - Absolute input devices
 doa: 2024-08-15 dop: 2025-02-15
 dow: 2027-05-15

EN 62386-303:2017/A1:2024

Digital addressable lighting interface - Part 303: Particular requirements - Input devices - Occupancy sensor
 doa: 2024-08-15 dop: 2025-02-15
 dow: 2027-05-15

EN 62386-304:2017/A1:2024

Digital addressable lighting interface - Part 304: Particular requirements - Input devices - Light sensor
 doa: 2024-08-15 dop: 2025-02-15
 dow: 2027-05-15

29.140.99 Alte standarde referitoare la lămpi

EN 62386-302:2017/A1:2024

Digital addressable lighting interface - Part 302: Particular requirements - Input devices - Absolute input devices
 doa: 2024-08-15 dop: 2025-02-15
 dow: 2027-05-15

EN 62386-303:2017/A1:2024

Digital addressable lighting interface - Part 303: Particular requirements - Input devices - Occupancy sensor
 doa: 2024-08-15 dop: 2025-02-15
 dow: 2027-05-15

EN 62386-304:2017/A1:2024

Digital addressable lighting interface - Part 304: Particular requirements - Input devices - Light sensor
 doa: 2024-08-15 dop: 2025-02-15
 dow: 2027-05-15

29.200 Redresoare. Convertizoare. Surse stabilizate

EN IEC 60146-1-1:2024

Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specification of basic requirements
 doa: 2024-07-23 dop: 2025-01-23
 dow: 2027-04-23

EN IEC 62501:2024

Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission - Electrical testing

doa: 2024-08-15 dop: 2025-02-15
 dow: 2027-05-15

29.220 Acumulatori și elemente galvanice

29.220.20 Acumulatori și baterii acide

EN 61427-2:2015/A1:2024

Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 2: On-grid applications
 doa: 2024-08-02 dop: 2025-02-02
 dow: 2027-05-02

29.240 Rețele de transport și distribuție a energiei electrice

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

EN IEC 62501:2024

Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission - Electrical testing
 doa: 2024-08-15 dop: 2025-02-15
 dow: 2027-05-15

31.040 Rezistoare electrice

31.040.20 Potențiometre, rezistoare variabile

EN IEC 61643-332:2024

Components for low-voltage surge protection - Part 332: Selection and application principles for metal oxide varistors (MOV)
 doa: 2024-08-22 dop: 2025-02-22
 dow: 2027-05-22

31.180 Plăci și circuite imprimate

EN IEC 61189-2-805:2024

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 2-805: X/Y CTE test for thin base materials by TMA
 doa: 2024-08-23 dop: 2025-02-23
 dow: 2027-05-23

EN IEC 61189-2-808:2024

Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-808: Thermal resistance of an assembly by thermal transient method

doa: 2024-08-30 dop: 2025-02-28
dow: 2027-05-30

33.120 Componente și accesorii pentru echipament de telecomunicații

33.120.10 Cabluri coaxiale. Ghiduri de undă

EN IEC 60966-2-1:2024

Radio frequency and coaxial cable
assemblies - Part 2-1: Sectional specification
for flexible coaxial cable assemblies
doa: 2024-07-23 dop: 2025-01-23
dow: 2027-04-23

33.180 Comunicații prin fibră optică

33.180.01 Sisteme cu fibră optică în general

EN IEC 61978-1:2024

Fibre optic interconnecting devices and
passive components - Fibre optic passive
chromatic dispersion compensators - Part 1:
Generic specification
doa: 2024-08-20 dop: 2025-02-20
dow: 2025-05-20

33.180.10 Fibre optice și cabluri

EN IEC 60793-1-41:2024

Optical fibres - Part 1-41: Measurement
methods and test procedures - Bandwidth
doa: 2024-08-24 dop: 2025-02-24
dow: 2027-05-24

EN IEC 60793-1-45:2024

Optical fibres - Part 1-45: Measurement
methods and test procedures - Mode field
diameter
doa: 2024-08-24 dop: 2025-02-24
dow: 2027-05-24

EN IEC 60794-1-212:2024

Optical fibre cables - Part 1-212: Generic
specification - Basic optical cable test
procedures - Environmental test methods -
Temperature cycling with cable elements
fixed at both ends, Method F12
doa: 2024-08-10 dop: 2025-02-10
dow: 2027-05-10

EN IEC 60794-1-217:2024

Optical fibre cables - Part 1-217: Generic
specification - Basic optical cable test
procedures - Environmental test methods -

Cable shrinkage (fibre protrusion), Method
F17

doa: 2024-08-08 dop: 2025-02-08
dow: 2027-05-08

EN IEC 61753-082-02:2024

Fibre optic interconnecting devices and
passive components - Performance standard
- Part 082-02: Pigtailed single-mode fibre
optic 1,31/1,55 μm WWDM devices for
category C - Indoor controlled environment
doa: 2024-08-22 dop: 2025-02-22
dow: 2027-05-22

33.180.20 Dispozitive de interconectare prin fibre optice

EN IEC 60875-1:2024

Fibre optic interconnecting devices and
passive components - Non-wavelength-
selective fibre optic branching devices - Part
1: Generic specification
doa: 2024-08-17 dop: 2025-02-17
dow: 2025-05-17

EN IEC 61300-1:2022/A1:2024

Fibre optic interconnecting devices and
passive components - Basic test and
measurement procedures - Part 1: General
and guidance
doa: 2024-08-22 dop: 2025-02-22
dow: 2027-05-22

EN IEC 61755-3-1:2024

Fibre optic interconnecting devices and
passive components - Connector optical
interfaces - Part 3-1: Connector parameters
of dispersion unshifted single-mode
physically contacting fibres - Non-angled 2,5
mm and 1,25 mm diameter cylindrical full
zirconia ferrules
doa: 2024-08-16 dop: 2025-02-16
dow: 2025-05-16

EN IEC 61755-3-2:2024

Fibre optic interconnecting devices and
passive components - Connector optical
interfaces - Part 3-2: Connector parameters
of dispersion unshifted single-mode
physically contacting fibres - Angled 2,5 mm
and 1,25 mm diameter cylindrical full zirconia
ferrules
doa: 2024-08-16 dop: 2025-02-16
dow: 2025-05-16

33.180.99 Alte echipamente de transmitere prin fibre optice

EN IEC 61757-7-3:2024

Fibre optic sensors - Part 7-3: Voltage measurement - Polarimetric method
 doa: 2024-08-24 dop: 2025-02-24
 dow: 2027-05-24

35.100 Interconexiunea sistemelor deschise (OSI)**35.100.05 Aplicații multistrat****EN IEC 61784-3:2021/A1:2024**

Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions
 doa: 2024-08-24 dop: 2025-02-24
 dow: 2027-05-24

35.100.40 Strat transport**EN IEC 61784-5-12:2024**

Industrial networks - Profiles - Part 5-12: Installation of fieldbuses - Installation profiles for CPF 12
 doa: 2024-07-25 dop: 2025-01-25
 dow: 2027-04-25

EN IEC 61784-5-19:2024

Industrial networks - Profiles - Part 5-19: Installation of fieldbuses - Installation profiles for CPF 19
 doa: 2024-08-08 dop: 2025-02-08
 dow: 2027-05-08

EN IEC 61784-5-2:2018/A1:2024

Industrial communication networks - Profiles - Part 5-2: Installation of fieldbuses - Installation profiles for CPF 2
 doa: 2024-07-25 dop: 2025-01-25
 dow: 2027-04-25

EN IEC 61784-5-21:2018/A1:2024

Industrial communication networks - Profiles - Part 5-21: Installation of fieldbuses - Installation profiles for CPF 21
 doa: 2024-07-26 dop: 2025-01-26
 dow: 2027-04-26

EN IEC 61784-5-3:2018/A1:2024

Industrial communication networks - Profiles - Part 5-3: Installation of fieldbuses - Installation profiles for CPF 3
 doa: 2024-07-30 dop: 2025-01-30
 dow: 2027-04-30

EN IEC 61784-5-6:2024

Industrial networks - Profiles - Part 5-6: Installation of fieldbuses - Installation profiles

for CPF 6

doa: 2024-08-08 dop: 2025-02-08
 dow: 2027-05-08

EN IEC 61784-5-8:2024

Industrial networks - Profiles - Part 5-8: Installation of fieldbuses - Installation profiles for CPF 8
 doa: 2024-08-08 dop: 2025-02-08
 dow: 2027-05-08

43.120 Vehicule rutiere electrice**EN IEC 63281-3-1:2024**

E-Transporters - Part 3-1: Performance test method for total run time of e-scooters with consideration to environmental conditions of actual use
 doa: 2024-08-17 dop: 2025-02-17
 dow: 2027-05-17

47.020 Construcții navale și structuri maritime în general**47.020.70 Echipament pentru navigație și control****EN IEC 61162-1:2024**

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners
 doa: 2024-08-09 dop: 2025-02-09
 dow: 2027-05-09

EN IEC 61162-2:2024

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission
 doa: 2024-08-09 dop: 2025-02-09
 dow: 2027-05-09

EN IEC 61162-450:2024

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection
 doa: 2024-08-09 dop: 2025-02-09
 dow: 2027-05-09

59.080 Produse din industria textilă**59.080.80 Textile inteligente****EN IEC 63203-301-1:2024**

Wearable electronic devices and technologies - Part 301-1: Test method of electrochromic films for wearable equipment

doa: 2024-07-23 dop: 2025-01-23
dow: 2027-04-23

93.120 Construcția de aeroporturi

EN IEC 61820-1-2:2024

Electrical installations for lighting and
beaconing of aerodromes - Part 1-2:
Fundamental principles - Particular
requirements for series circuits

doa: 2024-08-10 dop: 2025-02-10
dow: 2027-05-10

97.145 Scări

EN 50528:2024

Insulating ladders for use on or near low
voltage electrical installations

doa: 2024-10-29 dop: 2025-04-29
dow: 2027-04-29



În perioada **2024.05.01 – 2024.05.31**

GS NFV-SOL 002 V4.6.1:2024

Comitet Tehnic ETSI: NFV SOL
Network Functions Virtualisation (NFV)
Release 4; Protocols and Data Models;
RESTful protocols specification for the Ve-
Vnfm Reference Point

GS NFV-IFA 005 V4.6.1:2024

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

GS NFV-SOL 005 V4.6.1:2024

Comitet Tehnic ETSI: NFV SOL
Network Functions Virtualisation (NFV)
Release 4; Protocols and Data Models;
RESTful protocols specification for the Os-
Ma-nfvo Reference Point

GS NFV 006 V4.5.1:2024

Comitet Tehnic ETSI: NFV
Network Functions Virtualisation (NFV)
Release 4; Management and Orchestration;
Architectural Framework Specification

GS NFV-IFA 008 V4.6.1:2024

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

GR ENI 015 V4.1.1:2024

Comitet Tehnic ETSI: ENI
Experiential Networked Intelligence (ENI);
Processing and Management of Intent Policy

GR NFV-EVE 018 V5.1.1:2024

Comitet Tehnic ETSI: NFV EVE
Network Functions Virtualisation (NFV)
Release 5; Evolution and Ecosystem; Report
on Multi-tenancy in NFV

GS PDL 026 V1.1.1:2024

Comitet Tehnic ETSI: PDL
Permissioned Distributed Ledgers (PDL);
PDL in Settlement of Usage-Based Services

GS NFV-SEC 028 V5.1.1:2024

Comitet Tehnic ETSI: NFV SEC

Network Functions Virtualisation (NFV)
Release 5; Security; Security Assurance
Specification (SCAS) for Generic NFV-MANO

GR ENI 031 V4.1.1:2024

Comitet Tehnic ETSI: ENI
Experiential Networked Intelligence (ENI);
Construction and application of fault
maintenance network knowledge graphs

GR ENI 032 V4.1.1:2024

Comitet Tehnic ETSI: ENI
Experiential Networked Intelligence (ENI); In-
situ Flow Information Telemetry (IFIT)
Deployment Scenarios

GS NFV-IFA 032 V4.6.1:2024

Comitet Tehnic ETSI: NFV IFA
Network Functions Virtualisation (NFV)
Release 4; Management and Orchestration;
Interface and Information Model Specification
for Multi-Site Connectivity Services

GR NFV-IFA 043 V5.1.1:2024

Comitet Tehnic ETSI: NFV IFA
Network Functions Virtualisation (NFV)
Release 5; Architectural Framework; Report
on enhanced container networking

TS 101 220 V18.0.0:2024

Comitet Tehnic ETSI: SET TEC
Smart Cards; ETSI numbering system for
telecommunication application providers
(Release 18)

TR 102 216 V5.1.0:2024

Comitet Tehnic ETSI: SET
Smart Cards; Vocabulary for Secure Element
Technologies specifications

TS 102 230-1 V17.2.0:2024

Comitet Tehnic ETSI: SET TEST
Smart Cards; UICC-Terminal interface;
Physical, electrical and logical test
specification; Part 1: Terminal features
(Release 17)

TS 102 230-2 V17.2.0:2024

Comitet Tehnic ETSI: SET TEST
Smart Cards; UICC-Terminal interface;
Physical, electrical and logical test
specification; Part 2: UICC features (Release

17)

TS 102 822-3-1 V1.13.1:2024

Comitet Tehnic ETSI: BROADCAST
Digital Video Broadcasting (DVB); Broadcast and On-line Services: Search, select, and rightful use of content (TV-Anytime); Part 3: Metadata; Sub-part 1: Phase 1 - Metadata schemas

TS 102 939-2 V1.4.1:2024

Comitet Tehnic ETSI: DECT
Digital Enhanced Cordless Telecommunications (DECT); Ultra Low Energy (ULE); Machine to Machine Communications; Part 2: Home Automation Network (phase 2)

TS 103 481 V16.4.0:2024

Comitet Tehnic ETSI: SET TEST
Smart Cards; Test specification for the Remote APDU structure for UICC based applications; UICC features (Release 16)

TS 103 868-1 V2.1.1:2024

Comitet Tehnic ETSI: ITS WG5
Intelligent Transport Systems (ITS); Testing; Conformance test specifications for ITS Misbehaviour Reporting service; Part 1: Protocol Implementation Conformance Statement (PICS); Release 2

TS 103 868-2 V2.1.1:2024

Comitet Tehnic ETSI: ITS WG5
Intelligent Transport Systems (ITS); Testing; Conformance test specifications for ITS Misbehaviour Reporting service; Part 2: Test Suite Structure and Test Purposes (TSS & TP); Release 2

TS 103 868-3 V2.1.1:2024

Comitet Tehnic ETSI: ITS WG5
Intelligent Transport Systems (ITS); Testing; Conformance test specifications for ITS Misbehaviour Reporting service; Part 3: Abstract Test Suite (ATS) and Protocol Implementation eXtra Information for Testing (PIXIT); Release 2

TS 103 882 V2.1.1:2024

Comitet Tehnic ETSI: ITS WG1
Intelligent Transport Systems (ITS); Automated Vehicle Marshalling (AVM); Release 2

TR 103 906 V1.1.1:2024

Comitet Tehnic ETSI: DECT
Digital Enhanced Cordless

Telecommunications (DECT); Study On Low Data Rate Audio Support

TS 103 992 V1.1.1:2024

Comitet Tehnic ETSI: CYBER
Cyber Security (CYBER); Implementation of the Revised Network and Information Security (NIS2) Directive applying Critical Security Controls

TS 104 023 V12.0.1:2024

Comitet Tehnic ETSI: MSG
Publicly Available Specification (PAS); O-RAN Fronthaul Management Plane Specification v12.0.1; (O-RAN.WG4.MP.0-R003-v12.0.1)

TS 121 111 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; USIM and IC card requirements (3GPP TS 21.111 version 18.0.0 Release 18)

TR 121 900 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical Specification Group working methods (3GPP TR 21.900 version 18.2.0 Release 18)

TS 122 001 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 002 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 003 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 004 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 011 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service accessibility (3GPP TS 22.011 version 18.5.0 Release 18)

TS 122 024 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 030 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 034 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 038 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 041 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 042 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 053 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Tandem Free Operation (TFO); Service description; Stage 1 (3GPP TS 22.053 version 18.0.0 Release 18)

TS 122 057 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 060 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 066 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 067 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 071 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 072 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 076 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Noise suppression for the AMR codec; Service description; Stage 1 (3GPP TS 22.076 version 18.0.0 Release 18)

TS 122 078 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 079 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 081 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 082 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 083 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 084 V18.0.1:2024

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 version 18.0.1 Release 18)

TS 122 085 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 086 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 087 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 088 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 090 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 091 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 093 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 094 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 096 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 097 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 101 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Service aspects; Service principles (3GPP TS 22.101 version

18.6.0 Release 18)

TS 122 104 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Service requirements for cyber-physical control applications in vertical domains (3GPP TS 22.104 version 18.3.0 Release 18)

TS 122 105 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 115 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service aspects; Charging and billing (3GPP TS 22.115 version 18.1.0 Release 18)

TS 122 119 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
 LTE; 5G; Maritime communication services over 3GPP system (3GPP TS 22.119 version 18.0.1 Release 18)

TS 122 125 V17.7.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Unmanned Aerial System (UAS) support in 3GPP (3GPP TS 22.125 version 17.7.0 Release 17)

TS 122 125 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Unmanned Aerial System (UAS) support in 3GPP (3GPP TS 22.125 version 18.1.0 Release 18)

TS 122 135 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Multicall; Service description; Stage 1 (3GPP TS 22.135 version 18.0.1 Release 18)

TS 122 140 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 142 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 146 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 153 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia priority service (3GPP TS 22.153 version 18.2.0 Release 18)

TS 122 173 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Core Network Subsystem (IMS) Multimedia Telephony Service and supplementary services; Stage 1 (3GPP TS 22.173 version 18.0.1 Release 18)

TS 122 174 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 179 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical Push to Talk (MCPTT); Stage 1 (3GPP TS 22.179 version 18.0.0 Release 18)

TS 122 182 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 183 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 185 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Service requirements for V2X services (3GPP TS 22.185 version 18.0.1 Release 18)

TS 122 186 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Service requirements for enhanced V2X scenarios (3GPP TS 22.186 version 18.0.1 Release 18)

TS 122 220 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 226 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 228 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1 (3GPP TS 22.228 version 18.0.1 Release 18)

TS 122 233 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 240 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 242 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Digital Rights Management (DRM); Stage 1 (3GPP TS 22.242 version 18.0.1 Release 18)

TS 122 243 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 246 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 250 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 259 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 261 V18.13.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Service requirements for the 5G system (3GPP TS 22.261 version 18.13.0 Release 18)

TS 122 262 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Message service within the 5G System

(5GS); Stage 1 (3GPP TS 22.262 version 18.0.1 Release 18)

TS 122 263 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Service requirements for Video, Imaging and Audio for Professional Applications (VIAPA) (3GPP TS 22.263 version 18.0.1 Release 18)

TS 122 278 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 18.0.1 Release 18)

TS 122 279 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 280 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical Services Common Requirements (MCCoRe); Stage 1 (3GPP TS 22.280 version 18.5.0 Release 18)

TS 122 281 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical (MC) video (3GPP TS 22.281 version 18.0.1 Release 18)

TS 122 282 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical (MC) data (3GPP TS 22.282 version 18.0.1 Release 18)

TS 122 289 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mobile communication system for railways (3GPP TS 22.289 version 18.0.1 Release 18)

TS 122 340 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 346 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 368 V18.0.1:2024

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 18.0.1 Release 18)

TS 122 468 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Group Communication System Enablers (GCSE) (3GPP TS 22.468 version 18.0.1 Release 18)

TS 122 519 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Business communication requirements (3GPP TS 22.519 version 18.0.1 Release 18)

TR 122 903 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 904 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on user-centric identifiers and authentication (3GPP TR 22.904 version 18.0.1 Release 18)

TR 122 906 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 908 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Study on Paging Permission with Access Control (PPAC) (3GPP TR 22.908 version 18.0.1 Release 18)

TR 122 912 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 926 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Guidelines for extraterritorial 5G Systems (5GS) (3GPP TR 22.926 version 18.0.0 Release 18)

TR 122 936 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 940 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 942 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 944 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 947 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Study on Personal Broadcast Service (PBS) (3GPP TR 22.947 version 18.0.1 Release 18)

TR 122 948 V18.0.1:2024

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
18.0.1 Release 18)

TR 122 949 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 950 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 951 V18.0.1:2024

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
18.0.1 Release 18)

TR 122 952 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 953 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
Multimedia priority service feasibility study
(3GPP TR 22.953 version 18.0.1 Release 18)

TR 122 967 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 968 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 973 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 977 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 978 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications
System (UMTS); LTE; All-IP network (AIPN)
feasibility study (3GPP TR 22.978 version
18.0.1 Release 18)

TR 122 979 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 980 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 982 V18.0.1:2024

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
18.0.1 Release 18)

TR 122 983 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 985 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Service requirements for the User Data Convergence (UDC) (3GPP TR 22.985 version 18.0.1 Release 18)

TR 122 986 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Study on Service Specific Access Control (3GPP TR 22.986 version 18.0.1 Release 18)

TR 122 987 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 988 V18.0.1:2024

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 18.0.1 Release 18)

TR 122 989 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Study on Future Railway Mobile Communication System (3GPP TR 22.989 version 18.5.0 Release 18)

TR 122 990 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on off-network for rail (3GPP TR 22.990 version 18.0.0 Release 18)

TS 123 003 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Numbering, addressing and identification (3GPP TS 23.003 version 18.5.0 Release 18)

TS 123 007 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
68

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Restoration procedures (3GPP TS 23.007 version 18.4.0 Release 18)

TS 123 008 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Organization of subscriber data (3GPP TS 23.008 version 18.0.0 Release 18)

TS 123 009 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Handover procedures (3GPP TS 23.009 version 18.0.0 Release 18)

TS 123 011 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 012 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 014 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 015 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 016 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 018 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Basic call handling; Technical realization (3GPP TS 23.018 version 18.0.0 Release 18)

TS 123 032 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Universal Geographical Area Description (GAD) (3GPP TS 23.032 version 18.1.0 Release 18)

TS 123 034 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 038 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Alphabets and language-specific information (3GPP TS 23.038 version 18.0.0 Release 18)

TS 123 040 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Technical realization of the Short Message Service (SMS) (3GPP TS 23.040 version 18.0.0 Release 18)

TS 123 041 V18.4.0:2024

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

18.4.0 Release 18)

TS 123 042 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Compression algorithm for text messaging services (3GPP TS 23.042 version 18.0.0 Release 18)

TS 123 053 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Tandem Free Operation (TFO); Service description; Stage 2 (3GPP TS 23.053 version 18.0.0 Release 18)

TS 123 066 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 067 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 072 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 078 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 079 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 081 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 082 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 083 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 084 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multi Party (MPTY) supplementary service; Stage 2 (3GPP TS 23.084 version 18.0.0 Release 18)

TS 123 085 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 086 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 087 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 088 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 090 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 091 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 093 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 094 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 096 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 097 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 108 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 116 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 119 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Gateway Location Register (GLR); Stage 2 (3GPP TS 23.119 version 18.0.0 Release 18)

TS 123 122 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode (3GPP TS 23.122 version 18.6.0 Release 18)

TS 123 135 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Multicall supplementary service; Stage 2 (3GPP TS 23.135 version 18.0.0 Release 18)

TS 123 142 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 153 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 167 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) emergency sessions (3GPP TS 23.167 version 18.2.0 Release 18)

TS 123 180 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Mission critical services support in the Isolated Operation for Public Safety (IOPS) mode of operation (3GPP TS 23.180 version 18.0.0 Release 18)

TS 123 205 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 216 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Single Radio Voice Call Continuity (SRVCC); Stage 2 (3GPP TS 23.216 version 18.0.0 Release 18)

TS 123 218 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia (IM) session handling; IM call model; Stage 2 (3GPP TS 23.218 version 18.0.0 Release 18)

TS 123 228 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS); Stage 2 (3GPP TS 23.228 version 18.5.0 Release 18)

TS 123 231 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 247 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Architectural enhancements for 5G multicast-broadcast services (3GPP TS 23.247 version 18.5.0 Release 18)

TS 123 255 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Application layer support for Uncrewed Aerial System (UAS); Functional architecture and information flows; (3GPP TS 23.255 version 18.2.0 Release 18)

TS 123 256 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Support of Uncrewed Aerial Systems (UAS) connectivity, identification and tracking; Stage 2 (3GPP TS 23.256 version 18.2.0 Release 18)

TS 123 259 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 261 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 271 V18.0.0:2024

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

18.0.0 Release 18)

TS 123 273 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G System (5GS) Location Services (LCS); Stage 2 (3GPP TS 23.273 version 18.5.0 Release 18)

TS 123 278 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 280 V16.7.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Common functional architecture to support mission critical services; Stage 2 (3GPP TS 23.280 version 16.7.0 Release 16)

TS 123 282 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Functional architecture and information flows to support Mission Critical Data (MCData); Stage 2 (3GPP TS 23.282 version 18.6.0 Release 18)

TS 123 283 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Mission Critical Communication Interworking with Land Mobile Radio Systems (3GPP TS 23.283 version 18.1.0 Release 18)

TS 123 284 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 286 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Application layer support for Vehicle-to-Everything (V2X) services; Functional architecture and information flows (3GPP TS 23.286 version 18.4.0 Release 18)

TS 123 287 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Architecture enhancements for 5G System (5GS) to support Vehicle-to-Everything (V2X) services (3GPP TS 23.287 version 18.3.0 Release 18)

TS 123 288 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 18.5.0 Release 18)

TS 123 316 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Wireless and wireline convergence access support for the 5G System (5GS) (3GPP TS 23.316 version 18.5.0 Release 18)

TS 123 333 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 18.0.0 Release 18)

TS 123 334 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) - IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 18.0.0 Release 18)

TS 123 335 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 380 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IMS Restoration Procedures (3GPP TS 23.380 version 18.0.0 Release 18)

TS 123 401 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 18.5.0

Release 18)

TS 123 402 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Architecture enhancements for non-3GPP accesses (3GPP TS 23.402 version 18.3.0 Release 18)

TS 123 479 V18.0.0:2024

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 18.0.0 Release 18)

TS 123 501 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; System architecture for the 5G System (5GS) (3GPP TS 23.501 version 18.5.0 Release 18)

TS 123 502 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Procedures for the 5G System (5GS) (3GPP TS 23.502 version 18.5.0 Release 18)

TS 123 503 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Policy and charging control framework for the 5G System (5GS); Stage 2 (3GPP TS 23.503 version 18.5.0 Release 18)

TS 123 527 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Restoration procedures (3GPP TS 23.527 version 18.3.0 Release 18)

TS 123 540 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System: Technical realization of Service Based Short Message Service; Stage 2 (3GPP TS 23.540 version 18.3.0 Release 18)

TS 123 548 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G System Enhancements for Edge Computing; Stage 2 (3GPP TS 23.548 version 18.5.0 Release 18)

TS 123 586 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Architectural Enhancements to support Ranging based services and Sidelink Positioning (3GPP TS 23.586 version 18.3.0 Release 18)

TS 123 632 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; User data interworking, coexistence and migration; Stage 2 (3GPP TS 23.632 version 18.4.0 Release 18)

TS 123 682 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Architecture enhancements to facilitate communications with packet data networks and applications (3GPP TS 23.682 version 18.0.0 Release 18)

TS 124 002 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; GSM - UMTS Public Land Mobile Network (PLMN) Access Reference Configuration (3GPP TS 24.002 version 18.0.0 Release 18)

TS 124 007 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile radio interface signalling layer 3; General Aspects (3GPP TS 24.007 version 18.1.0 Release 18)

TS 124 008 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile radio interface Layer 3 specification; Core network protocols; Stage 3 (3GPP TS 24.008 version 18.5.0 Release 18)

TS 124 010 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 011 V18.0.0:2024

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

Telecommunications System (UMTS); LTE; 5G; Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface (3GPP TS 24.011 version 18.0.0 Release 18)

TS 124 030 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 067 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 072 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 080 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile radio interface layer 3 supplementary services specification; Formats and coding (3GPP TS 24.080 version 18.3.0 Release 18)

TS 124 081 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 082 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 083 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 084 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multi Party (MPTY) supplementary service; Stage 3 (3GPP TS 24.084 version 18.0.0 Release 18)

TS 124 085 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 086 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 087 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 088 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 090 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 091 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 093 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 096 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 103 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 105 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 109 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Bootstrapping interface (Ub) and network application function interface (Ua); Protocol details (3GPP TS 24.109 version 18.0.0 Release 18)

TS 124 116 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; Stage 3 aspects of system architecture enhancements for TV services (3GPP TS 24.116 version 18.0.0 Release 18)

TS 124 117 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; TV service configuration Management Object (MO) (3GPP TS 24.117 version 18.0.0 Release 18)

TS 124 135 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Multicall supplementary service; Stage 3 (3GPP TS 24.135 version 18.0.0 Release 18)

TS 124 139 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 141 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 (3GPP TS 24.141 version 18.0.0 Release 18)

TS 124 161 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Network-Based IP Flow Mobility (NBIFOM); Stage 3 (3GPP TS 24.161 version 18.0.0 Release 18)

TS 124 166 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP IP Multimedia Subsystem (IMS) conferencing Management Object (MO) (3GPP TS 24.166 version 18.0.0 Release 18)

TS 124 167 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP IMS Management Object (MO); Stage 3 (3GPP TS 24.167 version 18.1.0 Release 18)

TS 124 171 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Control Plane Location Services (LCS) procedures in the Evolved Packet System (EPS) (3GPP TS 24.171 version 18.0.0 Release 18)

TS 124 173 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; IMS Multimedia telephony communication service and supplementary services; Stage 3 (3GPP TS 24.173 version 18.0.0 Release 18)

TS 124 174 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Support of multi-device and multi-identity in the IP Multimedia Subsystem (IMS); Stage 3 (3GPP TS 24.174 version 18.0.0 Release 18)

TS 124 175 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Management Object (MO) for multi-device and multi-identity in the IP Multimedia Subsystem (IMS) (3GPP TS 24.175 version 18.0.0 Release 18)

TS 124 182 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS) Customized Alerting Tones (CAT); Protocol specification (3GPP TS 24.182 version 18.0.0 Release 18)

TS 124 183 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS); Protocol specification (3GPP TS 24.183 version 18.0.0 Release 18)

TS 124 186 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; IMS Data Channel applications; Protocol specification (3GPP TS 24.186 version 18.0.0 Release 18)

TS 124 193 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access Traffic Steering,

Switching and Splitting (ATSSS); Stage 3
(3GPP TS 24.193 version 18.5.0 Release 18)

TS 124 196 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications
System (UMTS); LTE; 5G; Enhanced Calling
Name (eCNAM) (3GPP TS 24.196 version
18.0.0 Release 18)

TS 124 216 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications
System (UMTS); LTE; Communication
Continuity Management Object (MO) (3GPP
TS 24.216 version 18.0.0 Release 18)

TS 124 229 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; IP multimedia call control protocol based
on Session Initiation Protocol (SIP) and
Session Description Protocol (SDP); Stage 3
(3GPP TS 24.229 version 18.5.0 Release 18)

TS 124 237 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications
System (UMTS); LTE; 5G; IP Multimedia (IM)
Core Network (CN) subsystem IP Multimedia
Subsystem (IMS) service continuity; Stage 3
(3GPP TS 24.237 version 18.0.0 Release 18)

TS 124 238 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications
System (UMTS); LTE; 5G; Session Initiation
Protocol (SIP) based user configuration;
Stage 3 (3GPP TS 24.238 version 18.0.0
Release 18)

TS 124 239 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Flexible Alerting (FA) using IP Multimedia
(IM) Core Network (CN) subsystem; Protocol
specification (3GPP TS 24.239 version 18.0.0
Release 18)

TS 124 244 V18.0.0:2024

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
18.0.0 Release 18)

TS 124 247 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 250 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; Protocol for Reliable Data Service;
Stage 3 (3GPP TS 24.250 version 18.0.0
Release 18)

TS 124 257 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Uncrewed Aerial System (UAS)
Application Enabler (UAE) layer; Protocol
aspects; Stage 3 (3GPP TS 24.257 version
18.3.0 Release 18)

TS 124 259 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
Personal Network Management (PNM);
Stage 3 (3GPP TS 24.259 version 18.0.0
Release 18)

TS 124 275 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Management Object (MO) for Basic
Communication Part (BCP) of IMS
Multimedia Telephony (MMTEL)
communication service (3GPP TS 24.275
version 18.1.0 Release 18)

TS 124 279 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 281 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Video (MCVideo)
signalling control; Protocol specification
(3GPP TS 24.281 version 18.5.0 Release 18)

TS 124 282 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT

LTE; Mission Critical Data (MCData) signalling control; Protocol specification (3GPP TS 24.282 version 18.6.0 Release 18)

TS 124 285 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 286 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 292 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 294 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 301 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS); Stage 3 (3GPP TS 24.301 version 18.6.0 Release 18)

TS 124 302 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks; Stage 3 (3GPP TS 24.302 version 18.5.0 Release 18)

TS 124 303 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 304 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 305 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 312 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 315 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 322 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 323 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 333 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) Management Objects (MO) (3GPP TS 24.333 version 18.0.0 Release 18)

TS 124 334 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Proximity-services (ProSe) User Equipment (UE) to ProSe function protocol aspects; Stage 3 (3GPP TS 24.334 version 18.0.0 Release 18)

TS 124 337 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 341 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Support of SMS over IP networks; Stage 3 (3GPP TS 24.341 version 18.0.0 Release 18)

TS 124 368 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Non-Access Stratum (NAS) configuration Management Object (MO) (3GPP TS 24.368 version 18.2.0 Release 18)

TS 124 371 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS); Stage 3; Protocol specification (3GPP TS 24.371 version 18.0.0 Release 18)

TS 124 379 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
 LTE; Mission Critical Push To Talk (MCPTT) call control; Protocol specification (3GPP TS 24.379 version 18.6.0 Release 18)

TS 124 380 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT

LTE; Mission Critical Push To Talk (MCPTT) media plane control; Protocol specification (3GPP TS 24.380 version 18.5.0 Release 18)

TS 124 385 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 LTE; V2X services Management Object (MO) (3GPP TS 24.385 version 18.0.0 Release 18)

TS 124 386 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 LTE; User Equipment (UE) to V2X control function; protocol aspects; Stage 3 (3GPP TS 24.386 version 18.0.0 Release 18)

TS 124 390 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Unstructured Supplementary Service Data (USSD) using IP Multimedia (IM) Core Network (CN) subsystem IMS; Stage 3 (3GPP TS 24.390 version 18.0.0 Release 18)

TS 124 391 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Unstructured Supplementary Service Data (USSD) using IP Multimedia (IM) Core Network (CN) subsystem (IMS) Management Object (MO) (3GPP TS 24.391 version 18.0.0 Release 18)

TS 124 417 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 424 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 LTE; 5G; Management Object (MO) for Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services (SS) (3GPP TS 24.424 version 18.0.0 Release 18)

TS 124 481 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
 LTE; Mission Critical Services (MCS) group management; Protocol specification (3GPP TS 24.481 version 18.1.0 Release 18)

TS 124 482 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) identity management; Protocol specification (3GPP TS 24.482 version 18.0.1 Release 18)

TS 124 483 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) Management Object (MO) (3GPP TS 24.483 version 18.3.0 Release 18)

TS 124 484 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Services (MCS) configuration management; Protocol specification (3GPP TS 24.484 version 18.5.0 Release 18)

TS 124 486 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Vehicle-to-Everything (V2X) Application Enabler (VAE) layer; Protocol aspects; Stage 3 (3GPP TS 24.486 version 18.3.0 Release 18)

TS 124 501 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Non-Access-Stratum (NAS) protocol for 5G System (5GS); Stage 3 (3GPP TS 24.501 version 18.6.0 Release 18)

TS 124 502 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 18.5.0 Release 18)

TS 124 523 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 524 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Hosted enterprise services; Architecture, functional description and signalling (3GPP TS 24.524 version 18.0.0 Release 18)

TS 124 525 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Business trunking;

Architecture and functional description (3GPP TS 24.525 version 18.0.0 Release 18)

TS 124 526 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; User Equipment (UE) policies for 5G System (5GS); Stage 3 (3GPP TS 24.526 version 18.6.0 Release 18)

TS 124 535 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System (5GS); Device-Side Time Sensitive Networking (TSN) Translator (DS-TT) to Network-Side TSN Translator (NW-TT) protocol aspects; Stage 3 (3GPP TS 24.535 version 18.0.0 Release 18)

TS 124 538 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Enabling MSGin5G Service; Protocol specification (3GPP TS 24.538 version 18.4.0 Release 18)

TS 124 539 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System (5GS); Network to TSN translator (TT) protocol aspects; Stage 3 (3GPP TS 24.539 version 18.4.0 Release 18)

TS 124 544 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Group Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.544 version 18.2.0 Release 18)

TS 124 545 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Location Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.545 version 18.4.0 Release 18)

TS 124 546 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Configuration management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.546 version 18.0.0 Release 18)

TS 124 547 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Identity management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.547 version 18.0.0 Release 18)

TS 124 548 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Network Resource Management - Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification (3GPP TS 24.548 version 18.3.0 Release 18)

TS 124 549 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Network slice capability enablement-Service Enabler Architecture Layer for Verticals (SEAL); Protocol specification; Stage 3 (3GPP TS 24.549 version 18.1.0 Release 18)

TS 124 554 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Proximity-services (ProSe) in 5G System (5GS) protocol aspects; Stage 3 (3GPP TS 24.554 version 18.4.0 Release 18)

TS 124 555 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Proximity-services (ProSe) in 5G System (5GS); User Equipment (UE) policies; Stage 3 (3GPP TS 24.555 version 18.4.0 Release 18)

TS 124 558 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Enabling Edge Applications; Protocol specification (3GPP TS 24.558 version 18.4.0 Release 18)

TS 124 559 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Application Data Analytics Enablement Service (ADAES); Stage 3 (3GPP TS 24.559 version 18.0.1 Release 18)

TS 124 559 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Application Data Analytics Enablement Service (ADAES); Stage 3 (3GPP TS 24.559 version 18.1.0 Release 18)

TS 124 571 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System (5GS); Control plane Location Services (LCS) procedures; Stage 3 (3GPP TS 24.571 version 18.4.0 Release 18)

TS 124 572 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System (5GS); User plane Location Services (LCS) protocols and procedures; Stage 3 (3GPP TS 24.572 version 18.0.0 Release 18)

TS 124 575 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Multicast/Broadcast UE pre-configuration Management Object (MO) (3GPP TS 24.575 version 18.3.0 Release 18)

TS 124 577 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Aircraft-to-Everything (A2X) services in 5G System (5GS) protocol aspects; Stage 3 (3GPP TS 24.577 version 18.0.0 Release 18)

TS 124 578 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Aircraft-to-Everything (A2X) services in 5G System (5GS); UE policies (3GPP TS 24.578 version 18.0.0 Release 18)

TS 124 581 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Video (MCVideo) media plane control; Protocol specification (3GPP TS 24.581 version 18.3.0 Release 18)

TS 124 582 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; Mission Critical Data (MCData) media plane control; Protocol specification (3GPP TS 24.582 version 18.2.0 Release 18)

TS 124 583 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Application layer support for Personal IoT Network (PINAPP); Stage 3 (3GPP TS 24.583 version 18.0.0 Release 18)

TS 124 587 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Vehicle-to-Everything (V2X) services in 5G System (5GS); Stage 3 (3GPP TS 24.587 version 18.5.0 Release 18)

TS 124 588 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Vehicle-to-Everything (V2X) services in 5G System (5GS); User Equipment (UE) policies; Stage 3 (3GPP TS 24.588 version 18.1.0 Release 18)

TS 124 604 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Communication Diversion (CDIV) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.604 version 18.0.0 Release 18)

TS 124 605 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.605 version 18.0.0 Release 18)

TS 124 606 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.606 version 18.0.0 Release 18)

TS 124 607 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.607 version 18.0.0 Release 18)

TS 124 608 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.608 version 18.0.0 Release 18)

TS 124 610 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.610 version 18.0.0 Release 18)

TS 124 611 V18.0.0:2024

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

Telecommunications System (UMTS); LTE; 5G; Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.611 version 18.0.0 Release 18)

TS 124 615 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol Specification (3GPP TS 24.615 version 18.0.0 Release 18)

TS 124 616 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.616 version 18.0.0 Release 18)

TS 124 623 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services (3GPP TS 24.623 version 18.0.0 Release 18)

TS 124 628 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Common Basic Communication procedures using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.628 version 18.0.0 Release 18)

TS 124 629 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS

24.629 version 18.0.0 Release 18)

TS 124 642 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; 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 18.0.0 Release 18)

TS 124 647 V18.0.0:2024

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 18.0.0 Release 18)

TS 124 654 V18.0.0:2024

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 18.0.0 Release 18)

TR 124 930 V18.0.0:2024

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 18.0.0 Release 18)

TR 124 969 V18.0.0:2024

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 18.0.0 Release 18)

TS 125 101 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio

transmission and reception (FDD) (3GPP TS 25.101 version 18.0.0 Release 18)

TS 125 102 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (TDD) (3GPP TS 25.102 version 18.0.0 Release 18)

TS 125 104 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (FDD) (3GPP TS 25.104 version 18.0.0 Release 18)

TS 125 105 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (TDD) (3GPP TS 25.105 version 18.0.0 Release 18)

TS 125 106 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (3GPP TS 25.106 version 18.0.0 Release 18)

TS 125 111 V18.0.0:2024

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 18.0.0 Release 18)

TS 125 113 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base station (BS) and repeater electromagnetic compatibility (EMC) (3GPP TS 25.113 version 18.0.0 Release 18)

TS 125 116 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (LCR TDD) (3GPP TS 25.116 version 18.0.0 Release 18)

TS 125 123 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (TDD) (3GPP

TS 25.123 version 18.0.0 Release 18)

TS 125 133 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (FDD) (3GPP TS 25.133 version 18.0.0 Release 18)

TS 125 141 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (FDD) (3GPP TS 25.141 version 18.0.0 Release 18)

TS 125 142 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (TDD) (3GPP TS 25.142 version 18.0.0 Release 18)

TS 125 143 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (3GPP TS 25.143 version 18.0.0 Release 18)

TS 125 153 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (LCR TDD) (3GPP TS 25.153 version 18.0.0 Release 18)

TS 125 171 V18.0.0:2024

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 18.0.0 Release 18)

TS 125 172 V18.0.0:2024

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 18.0.0 Release 18)

TS 125 173 V18.0.0:2024

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 18.0.0 Release 18)

TS 125 201 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer - general description (3GPP TS 25.201 version 18.0.0 Release 18)

TS 125 202 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); 7.68 Mcps Time Division Duplex (TDD) option; Overall description: Stage 2 (3GPP TS 25.202 version 18.0.0 Release 18)

TS 125 211 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (FDD) (3GPP TS 25.211 version 18.0.0 Release 18)

TS 125 212 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Multiplexing and channel coding (FDD) (3GPP TS 25.212 version 18.0.0 Release 18)

TS 125 213 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Spreading and modulation (FDD) (3GPP TS 25.213 version 18.0.0 Release 18)

TS 125 214 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer procedures (FDD) (3GPP TS 25.214 version 18.0.0 Release 18)

TS 125 215 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer; Measurements (FDD) (3GPP TS 25.215 version 18.0.0 Release 18)

TS 125 221 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN

Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (TDD) (3GPP TS 25.221 version 18.0.0 Release 18)

TS 125 222 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Multiplexing and channel coding (TDD) (3GPP TS 25.222 version 18.0.0 Release 18)

TS 125 223 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Spreading and modulation (TDD) (3GPP TS 25.223 version 18.0.0 Release 18)

TS 125 224 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer procedures (TDD) (3GPP TS 25.224 version 18.0.0 Release 18)

TS 125 225 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Physical layer; Measurements (TDD) (3GPP TS 25.225 version 18.0.0 Release 18)

TS 125 300 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Universal Terrestrial Radio Access Network (UTRAN); General description; Stage 2 (3GPP TS 25.300 version 18.0.0 Release 18)

TS 125 301 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Radio interface protocol architecture (3GPP TS 25.301 version 18.0.0 Release 18)

TS 125 302 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Services provided by the physical layer (3GPP TS 25.302 version 18.0.0 Release 18)

TS 125 303 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN

Universal Mobile Telecommunications System (UMTS); Interlayer procedures in Connected Mode (3GPP TS 25.303 version 18.0.0 Release 18)

TS 125 304 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode (3GPP TS 25.304 version 18.0.0 Release 18)

TS 125 305 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Stage 2 functional specification of User Equipment (UE) positioning in UTRAN (3GPP TS 25.305 version 18.0.0 Release 18)

TS 125 306 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); UE Radio Access capabilities (3GPP TS 25.306 version 18.0.0 Release 18)

TS 125 307 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 25.307 version 18.0.0 Release 18)

TS 125 308 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2 (3GPP TS 25.308 version 18.0.0 Release 18)

TS 125 319 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Enhanced uplink; Overall description; Stage 2 (3GPP TS 25.319 version 18.0.0 Release 18)

TS 125 321 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Medium Access Control (MAC) protocol specification (3GPP TS 25.321 version 18.0.0 Release 18)

TS 125 322 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); Radio Link Control (RLC)
protocol specification (3GPP TS 25.322
version 18.0.0 Release 18)

TS 125 323 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); Packet Data Convergence
Protocol (PDCP) specification (3GPP TS
25.323 version 18.0.0 Release 18)

TS 125 324 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); Broadcast/Multicast Control
(BMC) (3GPP TS 25.324 version 18.0.0
Release 18)

TS 125 327 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); High Speed Packet Access
(HSPA); Requirements on User Equipments
(UEs) supporting a release-independent
frequency band and multi-carrier
configuration (3GPP TS 25.327 version
18.0.0 Release 18)

TS 125 331 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); Radio Resource Control
(RRC); Protocol specification (3GPP TS
25.331 version 18.0.0 Release 18)

TS 125 346 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); Introduction of the
Multimedia Broadcast/Multicast Service
(MBMS) in the Radio Access Network (RAN);
Stage 2 (3GPP TS 25.346 version 18.0.0
Release 18)

TS 125 367 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); Mobility procedures for
Home Node B (HNB); Overall description;
Stage 2 (3GPP TS 25.367 version 18.0.0
Release 18)

TR 125 903 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
86

System (UMTS); Continuous connectivity for
packet data users (3GPP TR 25.903 version
18.0.0 Release 18)

TR 125 906 V18.0.0:2024

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
18.0.0 Release 18)

TR 125 912 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); LTE; Feasibility study for
evolved Universal Terrestrial Radio Access
(UTRA) and Universal Terrestrial Radio
Access Network (UTRAN) (3GPP TR 25.912
version 18.0.0 Release 18)

TR 125 914 V18.0.0:2024

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 18.0.0
Release 18)

TR 125 929 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); Continuous connectivity for
packet data users; 1.28 Mcps TDD (3GPP
TR 25.929 version 18.0.0 Release 18)

TR 125 942 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); Radio Frequency (RF)
system scenarios (3GPP TR 25.942 version
18.0.0 Release 18)

TR 125 943 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); Deployment aspects (3GPP
TR 25.943 version 18.0.0 Release 18)

TR 125 951 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications
System (UMTS); FDD Base Station (BS)
classification (3GPP TR 25.951 version
18.0.0 Release 18)

TR 125 956 V18.0.0:2024

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 18.0.0 Release 18)

TR 125 963 V18.0.0:2024

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 18.0.0 Release 18)

TR 125 967 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); Home Node B (HNB) Radio Frequency (RF) requirements (FDD) (3GPP TR 25.967 version 18.0.0 Release 18)

TR 125 968 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); 1.28 Mcps TDD Home NodeB Radio Frequency (RF) (3GPP TR 25.968 version 18.0.0 Release 18)

TR 125 992 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements (3GPP TR 25.992 version 18.0.0 Release 18)

TR 125 993 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA) (3GPP TR 25.993 version 18.0.0 Release 18)

TR 125 996 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 Universal Mobile Telecommunications System (UMTS); Spatial channel model for Multiple Input Multiple Output (MIMO) simulations (3GPP TR 25.996 version 18.0.0 Release 18)

TS 126 071 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory speech CODEC speech processing functions; AMR speech Codec; General description (3GPP TS 26.071 version 18.0.0 Release 18)

TS 126 073 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; ANSI-C code for the Adaptive Multi Rate (AMR) speech codec (3GPP TS 26.073 version 18.0.0 Release 18)

TS 126 074 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec test sequences (3GPP TS 26.074 version 18.0.0 Release 18)

TS 126 077 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Minimum performance requirements for Noise Suppressor; Application to the Adaptive Multi-Rate (AMR) speech encoder (3GPP TS 26.077 version 18.0.0 Release 18)

TS 126 090 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Transcoding functions (3GPP TS 26.090 version 18.0.0 Release 18)

TS 126 091 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory Speech Codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Error concealment of lost frames (3GPP TS 26.091 version 18.0.0 Release 18)

TS 126 092 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Comfort noise aspects (3GPP TS 26.092 version 18.0.0 Release 18)

TS 126 093 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory speech codec speech processing functions Adaptive Multi-Rate (AMR) speech codec; Source controlled rate operation (3GPP TS 26.093 version 18.0.0 Release 18)

TS 126 094 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec; Voice Activity Detector (VAD) (3GPP TS 26.094 version 18.0.0 Release 18)

TS 126 101 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure (3GPP TS 26.101 version 18.0.0 Release 18)

TS 126 102 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mandatory speech codec; Adaptive Multi-Rate (AMR) speech codec; Interface to Iu, Uu and Nb (3GPP TS 26.102 version 18.0.0 Release 18)

TS 126 103 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Speech codec list for GSM and UMTS (3GPP 88

TS 26.103 version 18.0.0 Release 18)

TS 126 104 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec (3GPP TS 26.104 version 18.0.0 Release 18)

TS 126 110 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Codec for circuit switched multimedia telephony service; General description (3GPP TS 26.110 version 18.0.0 Release 18)

TS 126 111 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Codec for circuit switched multimedia telephony service; Modifications to H.324 (3GPP TS 26.111 version 18.0.0 Release 18)

TS 126 114 V18.6.0:2024

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 18.6.0 Release 18)

TS 126 115 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Echo control for speech and multimedia services (3GPP TS 26.115 version 18.0.0 Release 18)

TS 126 116 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Television (TV) over 3GPP services; Video profiles (3GPP TS 26.116 version 18.0.0 Release 18)

TS 126 117 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Media Streaming (5GMS); Speech and audio profiles (3GPP TS 26.117 version 18.2.0 Release 18)

TS 126 118 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Virtual Reality (VR) profiles for streaming applications (3GPP TS 26.118 version 18.0.0 Release 18)

TS 126 119 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Media Capabilities for Augmented Reality (3GPP TS 26.119 version 18.0.0 Release 18)

TS 126 130 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech/Audio Codec RTP Payload Format Conformance for UE Testing (3GPP TS 26.130 version 18.0.0 Release 18)

TS 126 131 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Terminal acoustic characteristics for telephony; Requirements (3GPP TS 26.131 version 18.1.0 Release 18)

TS 126 132 V18.2.0:2024

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 18.2.0 Release 18)

TS 126 139 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Real-time Transport Protocol (RTP) / RTP Control Protocol (RTCP) verification procedures (3GPP TS 26.139 version 18.0.0 Release 18)

TS 126 140 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Messaging Service (MMS); Media formats and codecs (3GPP TS 26.140 version 18.0.0 Release 18)

TS 126 141 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs (3GPP TS 26.141 version 18.0.0 Release 18)

TS 126 142 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Dynamic and Interactive Multimedia Scenes (DIMS) (3GPP TS 26.142 version 18.0.0 Release 18)

TS 126 143 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Messaging Media profiles (3GPP TS 26.143 version 18.0.0 Release 18)

TS 126 150 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Syndicated Feed Reception (SFR) within 3GPP environments; Protocols and codecs (3GPP TS 26.150 version 18.0.0 Release 18)

TS 126 171 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; General description (3GPP TS 26.171 version 18.0.0 Release 18)

TS 126 173 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-WB) speech codec (3GPP TS 26.173 version 18.0.0 Release 18)

TS 126 174 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences (3GPP TS 26.174 version 18.0.0 Release 18)

TS 126 177 V18.0.0:2024

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

(3GPP TS 26.177 version 18.0.0 Release 18)

TS 126 179 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Mission Critical Push To Talk (MCPTT);
Codecs and media handling (3GPP TS
26.179 version 18.0.0 Release 18)

TS 126 190 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Speech codec speech processing
functions; Adaptive Multi-Rate - Wideband
(AMR-WB) speech codec; Transcoding
functions (3GPP TS 26.190 version 18.0.0
Release 18)

TS 126 191 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Speech codec speech processing
functions; Adaptive Multi-Rate - Wideband
(AMR-WB) speech codec; Error concealment
of erroneous or lost frames (3GPP TS 26.191
version 18.0.0 Release 18)

TS 126 192 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Speech codec speech processing
functions; Adaptive Multi-Rate - Wideband
(AMR-WB) speech codec; Comfort noise
aspects (3GPP TS 26.192 version 18.0.0
Release 18)

TS 126 193 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Speech codec speech processing
functions; Adaptive Multi-Rate - Wideband
(AMR-WB) speech codec; Source controlled
rate operation (3GPP TS 26.193 version
18.0.0 Release 18)

TS 126 194 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Speech codec speech processing
90

functions; Adaptive Multi-Rate - Wideband
(AMR-WB) speech codec; Voice Activity
Detector (VAD) (3GPP TS 26.194 version
18.0.0 Release 18)

TS 126 201 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Speech codec speech processing
functions; Adaptive Multi-Rate - Wideband
(AMR-WB) speech codec; Frame structure
(3GPP TS 26.201 version 18.0.0 Release 18)

TS 126 202 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Speech codec speech processing
functions; Adaptive Multi-Rate - Wideband
(AMR-WB) speech codec; Interface to lu, Uu
and Nb (3GPP TS 26.202 version 18.0.0
Release 18)

TS 126 204 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
Speech codec speech processing functions;
Adaptive Multi-Rate - Wideband (AMR-WB)
speech codec; ANSI-C code (3GPP TS
26.204 version 18.0.0 Release 18)

TS 126 223 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications
System (UMTS); LTE; Telepresence using
the IP Multimedia Subsystem (IMS); Media
handling and interaction (3GPP TS 26.223
version 18.0.0 Release 18)

TS 126 226 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS);
Cellular text telephone modem; General
description (3GPP TS 26.226 version 18.0.0
Release 18)

TS 126 230 V18.0.0:2024

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

Cellular text telephone modem; Transmitter bit exact C-code (3GPP TS 26.230 version 18.0.0 Release 18)

TS 126 231 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Cellular text telephone modem; Minimum performance requirements (3GPP TS 26.231 version 18.0.0 Release 18)

TS 126 234 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs (3GPP TS 26.234 version 18.0.0 Release 18)

TS 126 237 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia Subsystem (IMS) based Packet Switch Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) User Service; Protocols (3GPP TS 26.237 version 18.0.0 Release 18)

TS 126 238 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Uplink streaming (3GPP TS 26.238 version 18.0.0 Release 18)

TS 126 243 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; ANSI-C code for the fixed-point distributed speech recognition extended advanced front-end (3GPP TS 26.243 version 18.0.0 Release 18)

TS 126 244 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP) (3GPP TS 26.244 version 18.0.0 Release 18)

TS 126 245 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Transparent end-to-end Packet switched Streaming Service (PSS); Timed text format (3GPP TS 26.245 version 18.0.0 Release 18)

TS 126 246 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile (3GPP TS 26.246 version 18.0.0 Release 18)

TS 126 247 V18.0.0:2024

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 18.0.0 Release 18)

TS 126 252 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Codec for Immersive Voice and Audio Services - Test sequences (3GPP TS 26.252 version 18.0.0 Release 18)

TS 126 253 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Codec for Immersive Voice and Audio Services - Detailed Algorithmic Description incl. RTP payload format and SDP parameter definitions (3GPP TS 26.253 version 18.0.0 Release 18)

TS 126 254 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Codec for Immersive Voice and Audio Services - Rendering (3GPP TS 26.254 version 18.0.0 Release 18)

TS 126 255 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Codec for Immersive Voice and Audio Services - Error concealment of lost packets (3GPP TS 26.255 version 18.0.0 Release 18)

TS 126 256 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Codec for Immersive Voice and Audio Services - Jitter Buffer Management (3GPP TS 26.256 version 18.0.0 Release 18)

TS 126 258 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Codec for Immersive Voice and Audio Services; C code (floating-point)
(3GPP TS 26.258 version 18.0.0 Release 18)

TS 126 259 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Subjective test methodologies for the evaluation of immersive audio systems
(3GPP TS 26.259 version 18.0.0 Release 18)

TS 126 260 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Objective test methodologies for the evaluation of immersive audio systems
(3GPP TS 26.260 version 18.0.0 Release 18)

TS 126 267 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; General description (3GPP TS 26.267 version 18.0.0 Release 18)

TS 126 268 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; ANSI-C reference code (3GPP TS 26.268 version 18.0.0 Release 18)

TS 126 269 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; Conformance testing (3GPP TS 26.269 version 18.0.0 Release 18)

TS 126 273 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; ANSI-C code for the fixed-point Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec (3GPP TS 26.273 version 18.0.0 Release 18)

TS 126 274 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile

Telecommunications System (UMTS); LTE; Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec; Conformance testing (3GPP TS 26.274 version 18.0.0 Release 18)

TS 126 281 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical Video (MCVideo); Codecs and media handling (3GPP TS 26.281 version 18.0.0 Release 18)

TS 126 290 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions (3GPP TS 26.290 version 18.0.0 Release 18)

TS 126 304 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code (3GPP TS 26.304 version 18.0.0 Release 18)

TS 126 307 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Presentation layer for 3GPP services (3GPP TS 26.307 version 18.0.0 Release 18)

TS 126 346 V18.0.0:2024

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 18.0.0 Release 18)

TS 126 347 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Multimedia Broadcast/Multicast Service (MBMS); Application Programming Interface and URL (3GPP TS 26.347 version 18.0.0 Release 18)

TS 126 348 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Northbound Application Programming Interface (API) for Multimedia

Broadcast/Multicast Service (MBMS) at the xMB reference point (3GPP TS 26.348 version 18.0.0 Release 18)

TS 126 401 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced AAC Plus general audio codec; General description (3GPP TS 26.401 version 18.0.0 Release 18)

TS 126 402 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced AAC Plus general audio codec; Additional decoder tools (3GPP TS 26.402 version 18.0.0 Release 18)

TS 126 403 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced AAC Plus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part (3GPP TS 26.403 version 18.0.0 Release 18)

TS 126 404 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced AAC Plus general audio codec; Enhanced AAC Plus encoder Spectral Band Replication (SBR) part (3GPP TS 26.404 version 18.0.0 Release 18)

TS 126 405 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced AAC Plus general audio codec; Encoder specification parametric stereo part (3GPP TS 26.405 version 18.0.0 Release 18)

TS 126 406 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced AAC Plus general audio codec; Conformance testing (3GPP TS 26.406 version 18.0.0 Release 18)

TS 126 410 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced AAC Plus general audio codec; Floating-point ANSI-C code (3GPP TS 26.410 version 18.0.0 Release 18)

TS 126 411 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; General audio codec audio processing functions; Enhanced AAC Plus general audio codec; Fixed-point ANSI-C code (3GPP TS 26.411 version 18.0.0 Release 18)

TS 126 412 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Source code for 3GP file format (3GPP TS 26.412 version 18.0.0 Release 18)

TS 126 430 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Timed graphics (3GPP TS 26.430 version 18.0.0 Release 18)

TS 126 441 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); General overview (3GPP TS 26.441 version 18.0.0 Release 18)

TS 126 442 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); ANSI C code (fixed-point) (3GPP TS 26.442 version 18.0.0 Release 18)

TS 126 443 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); ANSI C code (floating-point) (3GPP TS 26.443 version 18.0.0 Release 18)

TS 126 444 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Test sequences (3GPP TS 26.444 version 18.0.0 Release 18)

TS 126 446 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Adaptive Multi-Rate - Wideband (AMR-WB) backward compatible functions (3GPP TS 26.446 version 18.0.0 Release 18)

TS 126 447 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Error concealment of lost packets (3GPP TS 26.447 version 18.0.0 Release 18)

TS 126 448 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Jitter Buffer Management (3GPP TS 26.448 version 18.0.0 Release 18)

TS 126 449 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Comfort Noise Generation (CNG) aspects (3GPP TS 26.449 version 18.0.0 Release 18)

TS 126 450 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Discontinuous Transmission (DTX) (3GPP TS 26.450 version 18.0.0 Release 18)

TS 126 451 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Voice Activity Detection (VAD) (3GPP TS 26.451 version 18.0.0 Release 18)

TS 126 452 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); ANSI C code; Alternative fixed-point using updated basic operators (3GPP TS 26.452 version 18.0.0 Release 18)

TS 126 453 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Speech codec frame structure (3GPP TS 26.453 version 18.0.0 Release 18)

TS 126 454 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Codec for Enhanced Voice Services (EVS); Interface to lu, Uu, Nb and Mb (3GPP TS 26.454 version 18.0.0 Release 18)

TS 126 501 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Media Streaming (5GMS); General description and architecture (3GPP TS 26.501 version 18.5.0 Release 18)

TS 126 502 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G multicast-broadcast services; User service architecture (3GPP TS 26.502 version 18.0.0 Release 18)

TS 126 506 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Real-time Media Communication Architecture (Stage 2) (3GPP TS 26.506 version 18.2.0 Release 18)

TS 126 511 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Media Streaming (5GMS); Profiles, codecs and formats (3GPP TS 26.511 version 18.1.0 Release 18)

TS 126 512 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA

5G; 5G Media Streaming (5GMS); Protocols (3GPP TS 26.512 version 18.1.0 Release 18)

TS 126 517 V17.5.1:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; 5G Multicast-Broadcast User Services; Protocols and Formats (3GPP TS 26.517 version 17.5.1 Release 17)

TS 126 517 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; 5G Multicast-Broadcast User Services; Protocols and Formats (3GPP TS 26.517 version 18.0.1 Release 18)

TS 126 522 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Real-time Media Transport Protocol Configurations (3GPP TS 26.522 version 18.0.0 Release 18)

TS 126 531 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Data Collection and Reporting; General Description and Architecture (3GPP TS 26.531 version 18.1.0 Release 18)

TS 126 532 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Data Collection and Reporting; Protocols and Formats (3GPP TS 26.532 version 18.1.0 Release 18)

TR 126 902 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Video codec performance (3GPP TR 26.902 version 18.0.0 Release 18)

TR 126 903 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Improved video support for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) Services (3GPP TR 26.903 version 18.0.0 Release 18)

TR 126 904 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Improved video coding support (3GPP TR 26.904 version 18.0.0 Release 18)

TR 126 905 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile stereoscopic 3D video (3GPP TR 26.905 version 18.0.0 Release 18)

TR 126 906 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evaluation of High Efficiency Video Coding (HEVC) for 3GPP services (3GPP TR 26.906 version 18.0.0 Release 18)

TR 126 907 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; HTML5 for a new presentation layer in 3GPP services (3GPP TR 26.907 version 18.0.0 Release 18)

TR 126 909 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on improved streaming Quality of Experience (QoE) reporting in 3GPP services and networks (3GPP TR 26.909 version 18.0.0 Release 18)

TR 126 910 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Study on media handling aspects of Radio Access Network (RAN) delay budget reporting in Multimedia Telephony Service for Internet Protocol (IP) Multimedia Subsystem (IMS) (MTSI) (3GPP TR 26.910 version 18.0.0 Release 18)

TR 126 911 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Codec(s) for Circuit-Switched (CS) multimedia telephony service; Terminal implementor's guide (3GPP TR 26.911 version 18.0.0 Release 18)

TR 126 914 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia telephony over IP Multimedia Subsystem (IMS); Optimization opportunities (3GPP TR 26.914 version 18.0.0 Release 18)

TR 126 917 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Multimedia Broadcast Multicast Services (MBMS) and Packet-switched Streaming Service (PSS) enhancements to support television services (3GPP TR 26.917 version 18.0.0 Release 18)

TR 126 918 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Virtual Reality (VR) media services over 3GPP (3GPP TR 26.918 version 18.0.0 Release 18)

TR 126 919 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on media handling aspects of conversational services in 5G systems (3GPP TR 26.919 version 18.0.0 Release 18)

TR 126 921 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Investigations on ambient noise reproduction systems for acoustic testing of terminals (3GPP TR 26.921 version 18.0.0 Release 18)

TR 126 922 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Video telephony robustness improvements extensions; Performance evaluation (3GPP TR 26.922 version 18.0.0 Release 18)

TR 126 923 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on media handling aspects of IP Multimedia Subsystem (IMS) based telepresence (3GPP TR 26.923 version 18.0.0 Release 18)

TR 126 924 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia telephony over IP Multimedia Subsystem (IMS); Study on improved end-to-end Quality of Service (QoS) handling for Multimedia Telephony Service for IMS (MTSI) (3GPP TR 26.924 version 18.0.0 Release 18)

TR 126 925 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Typical traffic characteristics of media services on 3GPP networks (3GPP TR 26.925 version 18.1.0 Release 18)

TR 126 926 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Traffic Models and Quality Evaluation Methods for Media and XR Services in 5G Systems (3GPP TR 26.926 version 18.2.0 Release 18)

TR 126 928 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Extended Reality (XR) in 5G (3GPP TR 26.928 version 18.0.0 Release 18)

TR 126 929 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; QoE parameters and metrics relevant to the Virtual Reality (VR) user experience (3GPP TR 26.929 version 18.0.0 Release 18)

TR 126 930 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Study on the enhancement for Immersive Real-Time communication for WebRTC (3GPP TR 26.930 version 18.0.0 Release 18)

TR 126 931 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evaluation of Additional Acoustic Tests for Speech Telephony (3GPP TR 26.931 version 18.0.0 Release 18)

TR 126 935 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Packet Switched (PS) conversational multimedia applications; Performance characterisation of default codecs (3GPP TR 26.935 version 18.0.0 Release 18)

TR 126 936 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Performance characterization of 3GPP audio codecs (3GPP TR 26.936 version 18.0.0 Release 18)

TR 126 937 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Transparent end-to-end Packet-switched Streaming Service (PSS); Real-time Transport Protocol (RTP) usage model (3GPP TR 26.937 version 18.0.0 Release 18)

TR 126 938 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Packet-switched Streaming Service (PSS); Improved support for dynamic adaptive streaming over HTTP in 3GPP (3GPP TR 26.938 version 18.0.0 Release 18)

TR 126 939 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Guidelines on the Framework for Live Uplink Streaming (FLUS) (3GPP TR 26.939 version 18.0.0 Release 18)

TR 126 941 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Slicing Extensions for 5G media services (3GPP TR 26.941 version 18.1.0 Release 18)

TR 126 943 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Recognition performance evaluations of codecs for Speech Enabled Services (SES) (3GPP TR 26.943 version 18.0.0 Release 18)

TR 126 944 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; End-to-end multimedia services performance metrics (3GPP TR 26.944 version 18.0.0 Release 18)

TR 126 946 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Broadcast/Multicast Service (MBMS) user service guidelines (3GPP TR 26.946 version 18.0.0 Release 18)

TR 126 947 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA

Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia Broadcast/Multicast Service (MBMS); Selection and characterisation of application layer Forward Error Correction (FEC) (3GPP TR 26.947 version 18.0.0 Release 18)

TR 126 948 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on video enhancements in 3GPP multimedia services (3GPP TR 26.948 version 18.0.0 Release 18)

TR 126 949 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Video formats for 3GPP services (3GPP TR 26.949 version 18.0.0 Release 18)

TR 126 950 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on Surround Sound codec extension for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) (3GPP TR 26.950 version 18.0.0 Release 18)

TR 126 952 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); Performance characterization (3GPP TR 26.952 version 18.0.0 Release 18)

TR 126 953 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Interactivity support for 3GPP-based streaming and download services (3GPP TR 26.953 version 18.0.0 Release 18)

TR 126 954 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 LTE; 5G; Test plan for speech quality and delay through a headset electrical interface (3GPP TR 26.954 version 18.0.0 Release 18)

TR 126 955 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Video codec characteristics for 5G-based services and applications (3GPP TR 26.955

version 18.0.0 Release 18)

TR 126 957 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Study on Server And Network-assisted Dynamic Adaptive Streaming over HTTP (DASH) (SAND) for 3GPP multimedia services (3GPP TR 26.957 version 18.0.0 Release 18)

TR 126 959 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on enhanced Voice over LTE (VoLTE) performance (3GPP TR 26.959 version 18.0.0 Release 18)

TR 126 962 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Immersive Teleconferencing and Telepresence for Remote Terminals (ITT4RT) Operation and Usage Guidelines (3GPP TR 26.962 version 18.0.0 Release 18)

TR 126 966 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Evaluation of new HEVC coding tools (3GPP TR 26.966 version 18.0.0 Release 18)

TR 126 967 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution (3GPP TR 26.967 version 18.0.0 Release 18)

TR 126 969 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); eCall data transfer; In-band modem solution; Characterization report (3GPP TR 26.969 version 18.0.0 Release 18)

TR 126 973 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Update to fixed-point basic operators (3GPP TR 26.973 version 18.0.0 Release 18)

TR 126 975 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Performance characterization of the Adaptive Multi-Rate (AMR) speech codec (3GPP TR 98

26.975 version 18.0.0 Release 18)

TR 126 976 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec (3GPP TR 26.976 version 18.0.0 Release 18)

TR 126 978 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase (3GPP TR 26.978 version 18.0.0 Release 18)

TR 126 980 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Multimedia telephony over IP Multimedia Subsystem (IMS); Media handling aspects of multi-stream multiparty conferencing for Multimedia Telephony Service for IMS (MTSI) (3GPP TR 26.980 version 18.0.0 Release 18)

TR 126 981 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; MBMS Extensions for Provisioning and Content Ingestion (3GPP TR 26.981 version 18.0.0 Release 18)

TR 126 982 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Implementation guidelines for Multiparty RTT (3GPP TR 26.982 version 18.0.0 Release 18)

TR 126 985 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Vehicle-to-everything (V2X); Media handling and interaction (3GPP TR 26.985 version 18.0.0 Release 18)

TR 126 989 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Mission Critical Push To Talk (MCPTT); Media, codecs and Multimedia Broadcast/Multicast Service (MBMS) enhancements for MCPTT over LTE (3GPP TR 26.989 version 18.0.0 Release 18)

TR 126 998 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
 LTE; 5G; Support of 5G glass-type
 Augmented Reality / Mixed Reality (AR/MR)
 devices (3GPP TR 26.998 version 18.1.0
 Release 18)

TR 126 999 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 LTE; 5G; Virtual Reality (VR) streaming
 interoperability and characterization (3GPP
 TR 26.999 version 18.0.0 Release 18)

TS 127 005 V18.0.0:2024

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 18.0.0 Release 18)

TS 127 007 V18.6.0:2024

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 18.6.0
 Release 18)

TS 128 062 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system
 (Phase 2+) (GSM); Universal Mobile
 Telecommunications System (UMTS); Inband
 Tandem Free Operation (TFO) of speech
 codecs; Service description; Stage 3 (3GPP
 TS 28.062 version 18.0.0 Release 18)

TS 128 100 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Management and orchestration; Levels
 of autonomous network (3GPP TS 28.100
 version 18.0.0 Release 18)

TS 128 104 V17.7.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Management and orchestration;
 Management Data Analytics (MDA) (3GPP
 TS 28.104 version 17.7.0 Release 17)

TS 128 104 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Management and orchestration;
 Management Data Analytics (MDA) (3GPP
 TS 28.104 version 18.3.0 Release 18)

TS 128 105 V17.7.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Management and orchestration; Artificial
 Intelligence/ Machine Learning (AI/ML)
 management (3GPP TS 28.105 version
 17.7.0 Release 17)

TS 128 105 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Management and orchestration; Artificial
 Intelligence/ Machine Learning (AI/ML)
 management (3GPP TS 28.105 version
 18.3.0 Release 18)

TS 128 111 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Fault management (3GPP TS 28.111
 version 18.0.0 Release 18)

TS 128 201 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 202 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Charging management; Network slice
 management charging in the 5G System
 (5GS); Stage 2 (3GPP TS 28.202 version
 18.0.0 Release 18)

TS 128 203 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Charging management; Network slice
 admission control charging in the 5G System
 (5GS) (3GPP TS 28.203 version 18.0.0
 Release 18)

TS 128 204 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Charging management; Network slice-
 specific authentication and authorization
 charging in the 5G System (5GS) (3GPP TS
 28.204 version 18.0.1 Release 18)

TS 128 301 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 LTE; Telecommunication management;
 Licensed Shared Access (LSA) Controller
 (LC) Integration Reference Point (IRP);
 Requirements (3GPP TS 28.301 version
 18.0.0 Release 18)

TS 128 302 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 303 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 304 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP); Requirements (3GPP TS 28.304 version 18.0.0 Release 18)

TS 128 305 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.305 version 18.0.0 Release 18)

TS 128 306 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.306 version 18.0.0 Release 18)

TS 128 307 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 308 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications
100

System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.308 version 18.0.0 Release 18)

TS 128 309 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 310 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Energy efficiency of 5G (3GPP TS 28.310 version 18.4.0 Release 18)

TS 128 311 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Network policy management for mobile networks based on Network Function Virtualization (NFV) scenarios (3GPP TS 28.311 version 18.0.0 Release 18)

TS 128 312 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Intent driven management services for mobile networks (3GPP TS 28.312 version 18.3.0 Release 18)

TS 128 313 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Self-Organizing Networks (SON) for 5G networks (3GPP TS 28.313 version 18.0.0 Release 18)

TS 128 314 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Plug and Connect; Concepts and requirements (3GPP TS 28.314 version 18.0.0 Release 18)

TS 128 315 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Plug and Connect; Procedure flows (3GPP TS 28.315 version 18.0.0 Release 18)

TS 128 316 V17.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Plug and

Connect; Data formats (3GPP TS 28.316 version 17.1.0 Release 17)

TS 128 316 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Plug and Connect; Data formats (3GPP TS 28.316 version 18.0.0 Release 18)

TS 128 317 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Self-configuration of Radio Access Network Entities (RAN NEs) (3GPP TS 28.317 version 18.0.0 Release 18)

TS 128 318 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and Orchestration; Network and services operations for energy utilities (3GPP TS 28.318 version 18.0.0 Release 18)

TS 128 319 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Access Control for Management services (3GPP TS 28.319 version 18.0.0 Release 18)

TS 128 390 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 402 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 403 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 404 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection; Concepts, use cases and requirements (3GPP TS 28.404 version 18.0.0 Release 18)

TS 128 405 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Quality of Experience (QoE) measurement collection; Control and configuration (3GPP TS 28.405 version 18.6.0 Release 18)

TS 128 406 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 500 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 510 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 511 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 512 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 513 V18.0.0:2024

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
18.0.0 Release 18)

TS 128 515 V18.0.0:2024

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
18.0.0 Release 18)

TS 128 516 V18.0.0:2024

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 18.0.0
Release 18)

TS 128 517 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 518 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 520 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 521 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 522 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management;
Performance Management (PM) for mobile
102

networks that include virtualized network
functions; Stage 2 (3GPP TS 28.522 version
18.0.0 Release 18)

TS 128 523 V18.0.0:2024

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
18.0.0 Release 18)

TS 128 525 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 526 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 527 V18.0.0:2024

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
18.0.0 Release 18)

TS 128 528 V18.0.0:2024

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
18.0.0 Release 18)

TS 128 530 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration;
Concepts, use cases and requirements
(3GPP TS 28.530 version 18.0.0 Release 18)

TS 128 531 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration;
Provisioning (3GPP TS 28.531 version 18.5.0
Release 18)

TS 128 532 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP SA

5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 17.8.0 Release 17)

TS 128 532 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Generic management services (3GPP TS 28.532 version 18.2.0 Release 18)

TS 128 533 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Architecture framework (3GPP TS 28.533 version 18.1.0 Release 18)

TS 128 535 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Management services for communication service assurance; Requirements (3GPP TS 28.535 version 18.0.0 Release 18)

TS 128 536 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Management and orchestration; Management services for communication service assurance; Stage 2 and stage 3 (3GPP TS 28.536 version 18.0.0 Release 18)

TS 128 537 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Management capabilities (3GPP TS 28.537 version 18.0.0 Release 18)

TS 128 538 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Edge Computing Management (3GPP TS 28.538 version 18.6.0 Release 18)

TS 128 540 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 1 (3GPP TS 28.540 version 18.0.0 Release 18)

TS 128 541 V16.19.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 16.19.0 Release 16)

TS 128 541 V17.14.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G

Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 17.14.0 Release 17)

TS 128 541 V18.7.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3 (3GPP TS 28.541 version 18.7.0 Release 18)

TS 128 550 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Performance assurance (3GPP TS 28.550 version 18.4.0 Release 18)

TS 128 552 V17.13.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G performance measurements (3GPP TS 28.552 version 17.13.0 Release 17)

TS 128 552 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G performance measurements (3GPP TS 28.552 version 18.6.0 Release 18)

TS 128 554 V17.13.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 17.13.0 Release 17)

TS 128 554 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 18.5.0 Release 18)

TS 128 555 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Network policy management for 5G mobile networks; Stage 1 (3GPP TS 28.555 version 18.0.0 Release 18)

TS 128 556 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; Network policy management for 5G mobile networks; Stage 2 and stage 3 (3GPP TS 28.556 version 18.0.0 Release 18)

TS 128 557 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA

5G; Management and orchestration; Management of Non-Public Networks (NPN); Stage 1 and stage 2 (3GPP TS 28.557 version 18.3.0 Release 18)

TS 128 558 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Management and orchestration; UE level measurements for 5G system (3GPP TS 28.558 version 18.0.0 Release 18)

TS 128 611 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 612 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 616 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 620 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 621 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
104

Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.621 version 18.0.0 Release 18)

TS 128 622 V17.9.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 17.9.0 Release 17)

TS 128 622 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 28.622 version 18.6.0 Release 18)

TS 128 623 V17.9.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.623 version 17.9.0 Release 17)

TS 128 623 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 28.623 version 18.6.0 Release 18)

TS 128 624 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 625 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 626 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 627 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 628 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 629 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 631 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 632 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 633 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 651 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); Telecommunication management; Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 28.651 version 18.0.0 Release 18)

TS 128 652 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 653 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 654 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 655 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 656 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 657 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 658 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications
System (UMTS); LTE; Telecommunication
management; Evolved Universal Terrestrial
Radio Access Network (E-UTRAN) Network
Resource Model (NRM) Integration
Reference Point (IRP); Information Service
(IS) (3GPP TS 28.658 version 18.0.0
Release 18)

TS 128 659 V18.0.0:2024

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 18.0.0
Release 18)

TS 128 661 V18.0.0:2024

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
18.0.0 Release 18)

TS 128 662 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 663 V18.0.0:2024

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
18.0.0 Release 18)

TS 128 667 V18.0.0:2024

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
18.0.0 Release 18)

TS 128 668 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 669 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 671 V18.0.0:2024

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

18.0.0 Release 18)

TS 128 672 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 673 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 674 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 675 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 676 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 680 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 681 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 682 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 683 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 701 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 702 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 703 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 704 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 705 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 706 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 707 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 708 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 709 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 731 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 732 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 733 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 734 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 735 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 736 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 751 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 752 V18.0.0:2024

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 18.0.0 Release 18)

TS 128 753 V18.0.0:2024

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 18.0.0 Release 18)

TR 128 903 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on alignment with ETSI MEC for edge computing management (3GPP TR 28.903 version 18.0.1 Release 18)

TR 128 907 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on enhancement of management of non-public networks (3GPP TR 28.907 version 18.0.1 Release 18)

TR 128 908 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on Artificial Intelligence/Machine Learning (AI/ ML) management (3GPP TR 28.908 version 18.0.0 Release 18)

TR 128 909 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on evaluation of autonomous network levels (3GPP TR 28.909 version

18.0.0 Release 18)

TR 128 910 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on enhancement of autonomous network levels (3GPP TR 28.910 version 18.0.0 Release 18)

TR 128 912 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on enhanced intent driven management services for mobile networks (3GPP TR 28.912 version 18.0.1 Release 18)

TR 128 913 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on new aspects of Energy Efficiency (EE) for 5G phase 2 (3GPP TR 28.913 version 18.0.1 Release 18)

TR 128 925 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Study on enhancement of service based management architecture (3GPP TR 28.925 version 18.0.0 Release 18)

TS 129 002 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Mobile Application Part (MAP) specification (3GPP TS 29.002 version 18.0.0 Release 18)

TS 129 010 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 011 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 013 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 016 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 018 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 060 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface (3GPP TS 29.060 version 18.0.0 Release 18)

TS 129 078 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 109 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 116 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Representational state transfer over xMB reference point between content provider and BM-SC (3GPP TS 29.116 version 18.0.0 Release 18)

TS 129 118 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 119 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 120 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 122 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; T8 reference point for Northbound APIs (3GPP TS 29.122 version 18.5.0 Release 18)

TS 129 128 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) interfaces for interworking with packet data networks and applications (3GPP TS 29.128 version 18.0.0 Release 18)

TS 129 139 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 165 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 18.3.0 Release 18)

TS 129 168 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Cell Broadcast Centre interfaces with the Evolved Packet Core; Stage 3 (3GPP TS 29.168 version 18.0.0 Release 18)

TS 129 171 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Location Services (LCS); LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC); SLs interface (3GPP TS 29.171 version 18.0.0 Release 18)

TS 129 172 V18.1.0:2024

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 18.1.0 Release 18)

TS 129 173 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 175 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 5G; IP Multimedia Subsystem (IMS) Application Server (AS) Services Stage 3 (3GPP TS 29.175 version 18.0.0 Release 18)

TS 129 176 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT

5G; IP Multimedia Subsystems (IMS); Media Function (MF) Services; Stage 3 (Release 18) (3GPP TS 29.176 version 18.1.0 Release 18)

TS 129 202 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 204 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 205 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 213 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping (3GPP TS 29.213 version 18.0.0 Release 18)

TS 129 214 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
 Universal Mobile Telecommunications System (UMTS); LTE; 5G; Policy and charging control over Rx reference point (3GPP TS 29.214 version 18.1.0 Release 18)

TS 129 222 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
 LTE; 5G; Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 18.5.0 Release 18)

TS 129 228 V18.0.0:2024

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

Telecommunications System (UMTS); LTE; 5G; IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents (3GPP TS 29.228 version 18.0.0 Release 18)

TS 129 229 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Cx and Dx interfaces based on the Diameter protocol; Protocol details (3GPP TS 29.229 version 18.0.0 Release 18)

TS 129 230 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 18.3.0 Release 18)

TS 129 231 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 232 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3 (3GPP TS 29.232 version 18.0.0 Release 18)

TS 129 238 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Interconnection Border Control Functions (IBCF) - Transition Gateway (TrGW) interface, Ix interface; Stage 3 (3GPP TS 29.238 version 18.0.0 Release 18)

TS 129 240 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 3GPP Generic User Profile (GUP); Stage 3; Network (3GPP TS 112

29.240 version 18.0.0 Release 18)

TS 129 244 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 18.5.0 Release 18)

TS 129 255 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Uncrewed Aerial System Service Supplier (USS) Services; Stage 3 (3GPP TS 29.255 version 18.2.0 Release 18)

TS 129 256 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Uncrewed Aerial Systems Network Function (UAS-NF); Aerial Management Services; Stage 3 (3GPP TS 29.256 version 18.3.0 Release 18)

TS 129 257 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Application layer support for Uncrewed Aerial System (UAS); UAS Application Enabler (UAE) Server Services; Stage 3 (3GPP TS 29.257 version 18.3.0 Release 18)

TS 129 272 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol (3GPP TS 29.272 version 18.3.0 Release 18)

TS 129 273 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Evolved Packet System (EPS); 3GPP EPS AAA interfaces (3GPP TS 29.273 version 18.4.0 Release 18)

TS 129 274 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; 3GPP Evolved Packet System (EPS); Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C); Stage 3 (3GPP TS 29.274 version 18.6.0 Release 18)

TS 129 275 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 276 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 277 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 278 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 279 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Mobile IPv4 (MIPv4) based mobility protocols; Stage 3 (3GPP TS 29.279 version 18.0.0 Release 18)

TS 129 280 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 281 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; General Packet Radio System (GPRS) Tunnelling Protocol User Plane (GTPv1-U) (3GPP TS 29.281 version 18.1.0 Release 18)

TS 129 282 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 283 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Diameter data management applications (3GPP TS 29.283 version 18.0.0 Release 18)

TS 129 303 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Domain Name System Procedures; Stage 3 (3GPP TS 29.303 version 18.0.0 Release 18)

TS 129 305 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 309 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Bootstrapping Server Function (GBA BSF) Services (3GPP TS 29.309 version 18.1.0 Release 18)

TS 129 328 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents (3GPP TS 29.328 version 18.1.0 Release 18)

TS 129 329 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 330 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; IP Multimedia Subsystem (IMS); Sc Interface based on the Diameter protocol;

(3GPP TS 29.330 version 18.0.0 Release 18)

TS 129 332 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Media Gateway Control Function (MGCF) - IM Media Gateway; Mn interface (3GPP TS 29.332 version 18.0.0 Release 18)

TS 129 333 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3 (3GPP TS 29.333 version 18.0.0 Release 18)

TS 129 334 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; IMS Application Level Gateway (IMS-ALG) & IMS Access Gateway (IMS-AGW); Iq Interface; Stage 3 (3GPP TS 29.334 version 18.0.0 Release 18)

TS 129 335 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; User Data Convergence (UDC); User data repository access protocol over the Ud interface; Stage 3 (3GPP TS 29.335 version 18.0.0 Release 18)

TS 129 336 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications (3GPP TS 29.336 version 18.2.0 Release 18)

TS 129 337 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 338 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Diameter based protocols to support Short Message Service (SMS) capable Mobile Management Entities (MMEs) (3GPP TS 29.338 version 18.2.0 Release 18)

TS 129 344 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 345 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 364 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 379 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 380 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Mission Critical Push To Talk (MCPTT) media plane control interworking with Land Mobile Radio (LMR) systems; Stage 3 (3GPP TS 29.380 version 18.0.0 Release 18)

TS 129 388 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; V2X Control Function to Home Subscriber Server (HSS) aspects (V4); Stage 3 (3GPP TS 29.388 version 18.0.0 Release 18)

TS 129 389 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; Inter-V2X Control Function Signalling aspects (V6); Stage 3 (3GPP TS 29.389 version 18.0.0 Release 18)

TS 129 405 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 413 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Application of the NG Application Protocol (NGAP) to non-3GPP access (3GPP TS 29.413 version 18.1.0 Release 18)

TS 129 414 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); Core network Nb data transport and transport signalling (3GPP TS 29.414 version 18.0.0 Release 18)

TS 129 415 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); Core network Nb interface user plane protocols (3GPP TS 29.415 version 18.0.0 Release 18)

TS 129 435 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Service Enabler Architecture Layer for Verticals (SEAL); Network Slice Capability Enablement (NSCE) Server Services (3GPP TS 29.435 version 18.0.0 Release 18)

TS 129 468 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Group Communication System Enablers for LTE (GCSE_LTE); MB2 reference point; Stage 3 (3GPP TS 29.468 version 18.0.0 Release 18)

TS 129 486 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; V2X Application Enabler (VAE) Services; Stage 3 (3GPP TS 29.486 version 18.2.0 Release 18)

TS 129 500 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Technical Realization of Service Based Architecture; Stage 3 (3GPP TS 29.500 version 18.5.0 Release 18)

TS 129 501 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Principles and Guidelines for Services Definition; Stage 3 (3GPP TS 29.501 version 18.4.0 Release 18)

TS 129 502 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Services; Stage 3 (3GPP TS 29.502 version 18.6.0 Release 18)

TS 129 503 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Management Services; Stage 3 (3GPP TS 29.503 version 18.5.0 Release 18)

TS 129 504 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Unified Data Repository Services; Stage 3 (3GPP TS 29.504 version 18.5.0 Release 18)

TS 129 505 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Usage of the Unified Data Repository services for Subscription Data; Stage 3 (3GPP TS 29.505 version 18.5.0 Release 18)

TS 129 507 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Policy Control Service; Stage 3 (3GPP TS 29.507 version 18.5.0 Release 18)

TS 129 508 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Event Exposure Service; Stage 3 (3GPP TS 29.508 version 18.5.0 Release 18)

TS 129 509 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Authentication Server Services; Stage 3 (3GPP TS 29.509 version 18.4.0 Release 18)

TS 129 510 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network function repository services; Stage 3 (3GPP TS 29.510 version 18.6.0 Release 18)

TS 129 511 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Equipment Identity Register

Services; Stage 3 (3GPP TS 29.511 version 18.2.0 Release 18)

TS 129 512 V18.5.1:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Session Management Policy Control Service; Stage 3 (3GPP TS 29.512 version 18.5.1 Release 18)

TS 129 513 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy and Charging Control signalling flows and QoS parameter mapping; Stage 3 (3GPP TS 29.513 version 18.5.0 Release 18)

TS 129 514 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy Authorization Service; Stage 3 (3GPP TS 29.514 version 18.5.0 Release 18)

TS 129 515 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Gateway Mobile Location Services; Stage 3 (3GPP TS 29.515 version 18.5.0 Release 18)

TS 129 517 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Application Function Event Exposure Service; Stage 3 (3GPP TS 29.517 version 18.5.0 Release 18)

TS 129 518 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Management Services; Stage 3 (3GPP TS 29.518 version 18.5.0 Release 18)

TS 129 519 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure; Stage 3 (3GPP TS 29.519 version 18.5.0 Release 18)

TS 129 521 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Binding Support Management Service; Stage 3 (3GPP TS 29.521 version 18.4.0 Release 18)

TS 129 523 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Policy Control Event Exposure Service; Stage 3 (3GPP TS 29.523
116

version 18.4.0 Release 18)

TS 129 524 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Cause codes mapping between 5GC interfaces; Stage 3 (3GPP TS 29.524 version 18.1.0 Release 18)

TS 129 525 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; UE Policy Control Service; Stage 3 (3GPP TS 29.525 version 18.5.0 Release 18)

TS 129 526 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Slice-Specific and SNPN Authentication and Authorization services; Stage 3 (3GPP TS 29.526 version 18.5.0 Release 18)

TS 129 531 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Slice Selection Services; Stage 3 (3GPP TS 29.531 version 18.6.0 Release 18)

TS 129 532 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; 5G Multicast-Broadcast Session Management Services; Stage 3 (3GPP TS 29.532 version 18.4.0 Release 18)

TS 129 534 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Access and Mobility Policy Authorization Service; Stage 3 (3GPP TS 29.534 version 18.3.0 Release 18)

TS 129 535 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; AKMA Anchor Services; Stage 3 (3GPP TS 29.535 version 18.4.0 Release 18)

TS 129 536 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Slice Admission Control Services; Stage 3 (3GPP TS 29.536 version 18.5.0 Release 18)

TS 129 537 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Multicast/Broadcast Policy Control services; Stage 3 (3GPP TS 29.537 version 18.3.0 Release 18)

TS 129 538 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Enabling MSGin5G Service; Application Programming Interfaces (API) specification; Stage 3 (3GPP TS 29.538 version 18.5.0 Release 18)

TS 129 540 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; SMS Services; Stage 3 (3GPP TS 29.540 version 18.3.0 Release 18)

TS 129 541 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; 5G System; Network Exposure (NE) function services for Non-IP Data Delivery (NIDD) and Short Message Services (SMS); Stage 3 (3GPP TS 29.541 version 18.2.0 Release 18)

TS 129 542 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; 5G System; Session management services for Non-IP Data Delivery (NIDD); Stage 3 (3GPP TS 29.542 version 18.3.0 Release 18)

TS 129 543 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Data Transfer Policy Control Services; Stage 3 (3GPP TS 29.543 version 18.0.0 Release 18)

TS 129 544 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Secured Packet Application Function (SP-AF) services; Stage 3 (3GPP TS 29.544 version 18.1.0 Release 18)

TS 129 548 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Service Enabler Architecture Layer for Verticals (SEAL); SEAL Data Delivery (SEALDD) Server Services; Stage 3 (3GPP TS 29.548 version 18.0.0 Release 18)

TS 129 549 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; Service Enabler Architecture Layer for Verticals (SEAL); Application Programming Interface (API) specification; Stage 3 (3GPP TS 29.549 version 18.5.0 Release 18)

TS 129 550 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Steering of roaming application function services; Stage 3 (3GPP TS 29.550 version 18.2.0 Release 18)

TS 129 551 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Packet Flow Description Management Service; Stage 3 (3GPP TS 29.551 version 18.4.0 Release 18)

TS 129 552 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Data Analytics signalling flows; Stage 3 (3GPP TS 29.552 version 18.4.0 Release 18)

TS 129 553 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; 5G ProSe Anchor Services; Stage 3 (3GPP TS 29.553 version 18.3.0 Release 18)

TS 129 554 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Background Data Transfer Policy Control Service; Stage 3 (3GPP TS 29.554 version 18.2.0 Release 18)

TS 129 555 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; 5G Direct Discovery Name Management Services; Stage 3 (3GPP TS 29.555 version 18.4.0 Release 18)

TS 129 556 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Edge Application Server Discovery Services; Stage 3 (3GPP TS 29.556 version 18.5.0 Release 18)

TS 129 557 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Application Function ProSe Service; Stage 3 (3GPP TS 29.557 version 18.2.0 Release 18)

TS 129 558 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Enabling Edge Applications; Application Programming Interface (API) specification; Stage 3 (3GPP TS 29.558 version 18.5.0 Release 18)

TS 129 559 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; 5G ProSe Key Management Services; Stage 3 (3GPP TS 29.559 version 18.2.0 Release 18)

TS 129 561 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Interworking between 5G

Network and external Data Networks; Stage 3 (3GPP TS 29.561 version 18.3.0 Release 18)

TS 129 562 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Home Subscriber Server (HSS) services; Stage 3 (3GPP TS 29.562 version 18.4.0 Release 18)

TS 129 563 V18.4.0:2024

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 18.4.0 Release 18)

TS 129 564 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; User Plane Function Services; Stage 3 (3GPP TS 29.564 version 18.4.0 Release 18)

TS 129 565 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Time Sensitive Communication and Time Synchronization Function Services; Stage 3 (3GPP TS 29.565 version 18.5.0 Release 18)

TS 129 571 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Common Data Types for Service Based Interfaces; Stage 3 (3GPP TS 29.571 version 18.5.0 Release 18)

TS 129 572 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Location Management Services; Stage 3 (3GPP TS 29.572 version 18.5.0 Release 18)

TS 129 573 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Public Land Mobile Network (PLMN) Interconnection; Stage 3 (3GPP TS 29.573 version 18.6.0 Release 18)

TS 129 574 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Data Collection Coordination Services; Stage 3 (3GPP TS 29.574 version 18.5.0 Release 18)

TS 129 575 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Analytics Data Repository Services; Stage 3 (3GPP TS 29.575 version 18.5.0 Release 18)

18.5.0 Release 18)

TS 129 576 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Messaging Framework Adaptor Services; Stage 3 (3GPP TS 29.576 version 18.3.0 Release 18)

TS 129 577 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; IP Short Message Gateway and SMS Router For Short Message Services; Stage 3 (3GPP TS 29.577 version 18.3.0 Release 18)

TS 129 578 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Mobile Number Portability Services; Stage 3 (3GPP TS 29.578 version 18.1.0 Release 18)

TS 129 579 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Interworking MSC For Short Message Services; Stage 3 (3GPP TS 29.579 version 18.3.0 Release 18)

TS 129 580 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Multicast/Broadcast Service Function services; Stage 3 (3GPP TS 29.580 version 18.4.0 Release 18)

TS 129 581 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Multicast/Broadcast Service Transport Services; Stage 3 (3GPP TS 29.581 version 18.4.0 Release 18)

TS 129 582 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 583 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Application layer support for Personal IoT Network (PINAPP); Personal IoT Network (PIN) server services (3GPP TS 29.583 version 18.0.0 Release 18)

TS 129 585 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System (5GS); Session Management Function (SMF) / Centralized User Configuration (CUC) to Access Network

Talker Listener (AN-TL) and Core Network Talker Listener (CN-TL) protocol aspects; Stage 3 (3GPP TS 29.585 version 18.0.0 Release 18)

TS 129 586 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; SideLink Positioning Key Management Services; Stage 3 (3GPP TS 29.586 version 18.0.0 Release 18)

TS 129 591 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Network Exposure Function Southbound Services; Stage 3 (3GPP TS 29.591 version 18.5.0 Release 18)

TS 129 594 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 5G System; Spending Limit Control Service; Stage 3 (3GPP TS 29.594 version 18.3.0 Release 18)

TS 129 598 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Unstructured data storage services (3GPP TS 29.598 version 18.5.0 Release 18)

TS 129 641 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; 3GPP Registry for Service Names and Port Numbers (3GPP TS 29.641 version 18.1.0 Release 18)

TS 129 673 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; 5G System; UE radio capability management services; Stage 3 (3GPP TS 29.673 version 18.3.0 Release 18)

TS 129 674 V18.0.0:2024

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 18.0.0 Release 18)

TS 129 675 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP CT
LTE; 5G; User Equipment (UE) radio capability provisioning service; Stage 3 (3GPP TS 29.675 version 18.3.0 Release 18)

TR 129 935 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Study on User Data

Convergence (UDC) data model (3GPP TR 29.935 version 18.0.0 Release 18)

TR 129 941 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Guidelines on Port Allocation for New 3GPP Interfaces (3GPP TR 29.941 version 18.0.0 Release 18)

TR 129 994 V18.0.0:2024

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 18.0.0 Release 18)

TS 131 101 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; UICC-terminal interface; Physical and logical characteristics (3GPP TS 31.101 version 18.0.0 Release 18)

TS 131 102 V16.14.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 16.14.0 Release 16)

TS 131 102 V17.12.0:2024

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 17.12.0 Release 17)

TS 131 102 V18.4.0:2024

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 18.4.0 Release 18)

TS 131 103 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Characteristics of the IP Multimedia Services Identity Module (ISIM) application (3GPP TS 31.103 version 18.0.0 Release 18)

TS 131 104 V18.0.0:2024

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 18.0.0 Release 18)

TS 131 105 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; Characteristics of the Slice Subscriber Identity Module application (3GPP TS 31.105 version 18.0.0 Release 18)

TS 131 111 V16.9.0:2024

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 16.9.0 Release 16)

TS 131 111 V17.10.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 17.10.0 Release 17)

TS 131 111 V18.5.1:2024

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 18.5.1 Release 18)

TS 131 115 V18.0.0:2024

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 18.0.0 Release 18)

TS 131 116 V18.0.0:2024

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 18.0.0
120

Release 18)

TS 131 120 V18.0.0:2024

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 18.0.0 Release 18)

TS 131 122 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 18.0.0 Release 18)

TS 131 127 V17.1.0:2024

Comitet Tehnic ETSI: 3GPP CT
5G; UICC-terminal interaction; non-removable Universal Subscriber Identity Module (nrUSIM) application behavioural test specification (3GPP TS 31.127 version 17.1.0 Release 17)

TS 131 130 V17.4.0:2024

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 17.4.0 Release 17)

TS 131 130 V18.0.0:2024

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 18.0.0 Release 18)

TS 131 131 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; C-language binding to (U)SIM API (3GPP TS 31.131 version 18.0.0 Release 18)

TS 131 133 V18.0.0:2024

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 18.0.0 Release 18)

TS 131 213 V18.0.0:2024

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 18.0.0 Release 18)

TS 131 220 V18.0.0:2024

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 18.0.0 Release 18)

TS 131 221 V18.0.0:2024

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 18.0.0 Release 18)

TR 131 900 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; SIM/USIM internal and external interworking aspects (3GPP TR 31.900 version 18.0.0 Release 18)

TR 131 970 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Universal Mobile Telecommunications System (UMTS); LTE; UICC power optimisation for Machine-Type Communication (MTC) (3GPP TR 31.970 version 18.0.0 Release 18)

TS 132 101 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 102 V18.0.0:2024

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 18.0.0

Release 18)

TS 132 103 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 107 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 111-1 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 111-2 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 111-6 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 121 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 122 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 126 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 130 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Network sharing; Concepts and requirements (3GPP TS 32.130 version 18.2.0 Release 18)

TS 132 140 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 141 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 150 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile
122

Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) Concept and definitions (3GPP TS 32.150 version 18.0.0 Release 18)

TS 132 153 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 154 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 155 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 156 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 18.5.0 Release 18)

TS 132 157 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 158 V16.12.0:2024

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 16.12.0 Release 16)

TS 132 158 V17.7.0:2024

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 17.7.0 Release 17)

TS 132 158 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 160 V17.11.0:2024

Comitet Tehnic ETSI: 3GPP SA
 LTE; 5G; Management and orchestration; Management service template (3GPP TS 32.160 version 17.11.0 Release 17)

TS 132 160 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
 LTE; 5G; Management and orchestration; Management service template (3GPP TS 32.160 version 18.5.0 Release 18)

TS 132 161 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Management and orchestration; JSON expressions (Jex) (3GPP TS 32.161 version 18.0.0 Release 18)

TS 132 181 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 182 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 240 V17.11.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management;

Charging management; Charging architecture and principles (3GPP TS 32.240 version 17.11.0 Release 17)

TS 132 240 V18.6.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Charging architecture and principles (3GPP TS 32.240 version 18.6.0 Release 18)

TS 132 250 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Circuit Switched (CS) domain charging (3GPP TS 32.250 version 18.0.0 Release 18)

TS 132 251 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Packet Switched (PS) domain charging (3GPP TS 32.251 version 18.0.0 Release 18)

TS 132 253 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Control Plane (CP) data transfer domain charging (3GPP TS 32.253 version 18.0.0 Release 18)

TS 132 254 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
 LTE; 5G; Telecommunication management; Charging management; Exposure function Northbound Application Program Interfaces (APIs) charging (3GPP TS 32.254 version 18.2.0 Release 18)

TS 132 255 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
 5G; Telecommunication management; Charging management; 5G data connectivity domain charging; Stage 2 (3GPP TS 32.255 version 18.3.0 Release 18)

TS 132 256 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Charging management; 5G connection and mobility domain charging; Stage 2 (3GPP TS 32.256 version 18.3.0 Release 18)

TS 132 257 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; Edge computing domain charging (3GPP TS 32.257 version 18.0.0 Release 18)

TS 132 260 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging (3GPP TS 32.260 version 18.3.0 Release 18)

TS 132 270 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging (3GPP TS 32.270 version 18.2.0 Release 18)

TS 132 271 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 272 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging (3GPP TS 32.272 version 18.0.0 Release 18)

TS 132 273 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 274 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Short Message Service (SMS) charging (3GPP TS 32.274 version 18.0.0 Release 18)

TS 132 275 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; MultiMedia Telephony (MMTel) charging (3GPP TS 32.275 version 18.0.0 Release 18)

TS 132 276 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 277 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Proximity-based Services (ProSe) charging (3GPP TS 32.277 version 18.0.0 Release 18)

TS 132 278 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Charging management; Monitoring event charging (3GPP TS 32.278 version 18.0.0 Release 18)

TS 132 279 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Charging management; 5G Multicast-broadcast Services charging (3GPP TS 32.279 version 18.0.0 Release 18)

TS 132 280 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 281 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G;
Telecommunication management; Charging management; Announcement service (3GPP TS 32.281 version 18.0.0 Release 18)

TS 132 282 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Charging management; Time-Sensitive Networking (TSN) charging (3GPP TS 32.282 version 18.1.0 Release 18)

TS 132 290 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G system; Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS 32.290 version 18.5.0 Release 18)

TS 132 291 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Charging management; 5G system, charging service; Stage 3 (3GPP TS 32.291 version 18.5.0 Release 18)

TS 132 293 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 295 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Charging Data Record (CDR) transfer (3GPP TS 32.295 version 18.0.0 Release 18)

TS 132 296 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 297 V17.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer (3GPP TS 32.297 version 17.3.0 Release 17)

TS 132 297 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer (3GPP TS 32.297 version 18.0.0 Release 18)

TS 132 298 V16.13.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 16.13.0 Release 16)

TS 132 298 V17.10.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 17.10.0 Release 17)

TS 132 298 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 18.5.0 Release 18)

TS 132 299 V17.1.0:2024

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Diameter charging applications (3GPP TS 32.299 version 17.1.0 Release 17)

TS 132 299 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Charging management; Diameter charging applications (3GPP TS 32.299 version 18.0.0 Release 18)

TS 132 300 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 301 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 302 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 306 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 311 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 312 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 316 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 321 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 322 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 326 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 331 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 332 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Notification Log (NL) Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.332 version 18.0.0 Release 18)

TS 132 336 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 341 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 342 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 346 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 351 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 352 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 356 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 361 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 362 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 366 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA

Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.366 version 18.0.0 Release 18)

TS 132 371 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 372 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 376 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 381 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of ltf-N Integration Reference Point (IRP); Requirements (3GPP TS 32.381 version 18.0.0 Release 18)

TS 132 382 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of ltf-N Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.382 version 18.0.0 Release 18)

TS 132 386 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of ltf-N Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.386 version 18.0.0 Release 18)

TS 132 391 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 392 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 396 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 401 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 404 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Performance Management (PM); Performance measurements; Definitions and template (3GPP TS 32.404 version 18.0.0)

Release 18)

TS 132 405 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 406 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 407 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 408 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 409 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 410 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 411 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 412 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 416 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 421 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements (3GPP TS 32.421 version 18.1.0 Release 18)

TS 132 422 V15.7.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Telecommunication management; Subscriber and equipment trace; Trace

control and configuration management
(3GPP TS 32.422 version 15.7.0 Release 15)

TS 132 422 V16.14.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Telecommunication management;
Subscriber and equipment trace; Trace
control and configuration management
(3GPP TS 32.422 version 16.14.0 Release
16)

TS 132 422 V17.12.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Telecommunication management;
Subscriber and equipment trace; Trace
control and configuration management
(3GPP TS 32.422 version 17.12.0 Release
17)

TS 132 422 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Telecommunication management;
Subscriber and equipment trace; Trace
control and configuration management
(3GPP TS 32.422 version 18.2.0 Release 18)

TS 132 423 V16.11.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Telecommunication management;
Subscriber and equipment trace; Trace data
definition and management (3GPP TS 32.423
version 16.11.0 Release 16)

TS 132 423 V17.9.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Telecommunication management;
Subscriber and equipment trace; Trace data
definition and management (3GPP TS 32.423
version 17.9.0 Release 17)

TS 132 423 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system
130

(Phase 2+) (GSM); Universal Mobile
Telecommunications System (UMTS); LTE;
5G; Telecommunication management;
Subscriber and equipment trace; Trace data
definition and management (3GPP TS 32.423
version 18.2.0 Release 18)

TS 132 425 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management;
Performance Management (PM);
Performance measurements Evolved
Universal Terrestrial Radio Access Network
(E-UTRAN) (3GPP TS 32.425 version 18.0.0
Release 18)

TS 132 426 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management;
Performance Management (PM);
Performance measurements Evolved Packet
Core (EPC) network (3GPP TS 32.426
version 18.0.0 Release 18)

TS 132 432 V18.0.0:2024

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 18.0.0
Release 18)

TS 132 435 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 436 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 441 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 442 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 446 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 450 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 451 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 452 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 453 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 454 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 455 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Telecommunication management; Key Performance Indicators (KPI) for the Evolved Packet Core (EPC); Definitions (3GPP TS 32.455 version 18.0.0 Release 18)

TS 132 500 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 501 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 502 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 506 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 511 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 531 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 532 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 536 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 541 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 551 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 571 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication
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management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface concepts and requirements (3GPP TS 32.571 version 18.0.0 Release 18)

TS 132 572 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 581 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 582 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 583 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 584 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 591 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 592 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 593 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 594 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 600 V18.0.0:2024

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 18.0.0 Release 18)

TS 132 601 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system
 (Phase 2+) (GSM); Universal Mobile
 Telecommunications System (UMTS); LTE;
 Telecommunication management;
 Configuration Management (CM); Basic CM
 Integration Reference Point (IRP);

Requirements (3GPP TS 32.601 version
 18.0.0 Release 18)

TS 132 602 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system
 (Phase 2+) (GSM); Universal Mobile
 Telecommunications System (UMTS); LTE;
 Telecommunication management;
 Configuration Management (CM); Basic CM
 Integration Reference Point (IRP);
 Information Service (IS) (3GPP TS 32.602
 version 18.0.0 Release 18)

TS 132 606 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system
 (Phase 2+) (GSM); Universal Mobile
 Telecommunications System (UMTS); LTE;
 Telecommunication management;
 Configuration Management (CM); Basic CM
 Integration Reference Point (IRP); Solution
 Set (SS) definitions (3GPP TS 32.606 version
 18.0.0 Release 18)

TS 132 611 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system
 (Phase 2+) (GSM); Universal Mobile
 Telecommunications System (UMTS); LTE;
 Telecommunication management;
 Configuration Management (CM); Bulk CM
 Integration Reference Point (IRP);
 Requirements (3GPP TS 32.611 version
 18.0.0 Release 18)

TS 132 612 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system
 (Phase 2+) (GSM); Universal Mobile
 Telecommunications System (UMTS); LTE;
 Telecommunication management;
 Configuration Management (CM); Bulk CM
 Integration Reference Point (IRP);
 Information Service (IS) (3GPP TS 32.612
 version 18.0.0 Release 18)

TS 132 616 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system
 (Phase 2+) (GSM); Universal Mobile
 Telecommunications System (UMTS); LTE;
 Telecommunication management;
 Configuration Management (CM); Bulk CM
 Integration Reference Point (IRP); Solution
 Set (SS) definitions (3GPP TS 32.616 version
 18.0.0 Release 18)

TS 132 661 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Requirements (3GPP TS 32.661 version 18.0.0 Release 18)

TS 132 662 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Information Service (IS) (3GPP TS 32.662 version 18.0.0 Release 18)

TS 132 666 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.666 version 18.0.0 Release 18)

TS 132 690 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Inventory Management (IM); Requirements (3GPP TS 32.690 version 18.0.0 Release 18)

TR 132 901 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Study on User Data Convergence (UDC) information model handling and provisioning: Example use cases (3GPP TR 32.901 version 18.0.0 Release 18)

TR 132 972 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Telecommunication management; Study on system and functional aspects of energy efficiency in 5G networks (3GPP TR 32.972 version 18.0.0 Release 18)

TS 133 117 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Catalogue of general security assurance requirements (3GPP TS 33.117 version 18.3.0 Release 18)

TS 133 122 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security aspects of Common API Framework (CAPIF) for 3GPP northbound APIs (3GPP TS 33.122 version 18.3.0 Release 18)

TS 133 126 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Lawful Interception requirements (3GPP TS 33.126 version 18.1.0 Release 18)

TS 133 127 V18.7.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 18.7.0 Release 18)

TS 133 128 V18.7.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Security; Protocol and procedures for Lawful Interception (LI); Stage 3 (3GPP TS 33.128 version 18.7.0 Release 18)

TS 133 180 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Security of the Mission Critical (MC) service (3GPP TS 33.180 version 18.1.0 Release 18)

TS 133 203 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Access security for IP-based services (3GPP TS 33.203 version 18.0.0 Release 18)

TS 133 216 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; Security Assurance Specification (SCAS) for the evolved Node B (eNB)

network product class (3GPP TS 33.216 version 18.1.0 Release 18)

TS 133 220 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; 5G; Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) (3GPP TS 33.220 version 18.3.0 Release 18)

TS 133 256 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security aspects of Uncrewed Aerial Systems (UAS) (3GPP TS 33.256 version 18.2.0 Release 18)

TS 133 310 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 18.3.0 Release 18)

TS 133 326 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Specification (SCAS) for the Network Slice-Specific Authentication and Authorization Function (NSSAAF) network product class (3GPP TS 33.326 version 18.0.0 Release 18)

TS 133 328 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 18.1.0 Release 18)

TS 133 402 V18.0.0:2024

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 18.0.0 Release 18)

TS 133 434 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 18.2.0 Release 18)

TS 133 501 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security architecture and procedures for 5G System (3GPP TS 33.501 version 18.5.0 Release 18)

TS 133 503 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security Aspects of Proximity based Services (ProSe) in the 5G System (5GS) (3GPP TS 33.503 version 18.2.0 Release 18)

TS 133 511 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Specification (SCAS) for the next generation Node B (gNodeB) network product class (3GPP TS 33.511 version 18.3.0 Release 18)

TS 133 512 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS); Access and Mobility management Function (AMF) (3GPP TS 33.512 version 18.1.0 Release 18)

TS 133 513 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS); User Plane Function (UPF) (3GPP TS 33.513 version 18.1.0 Release 18)

TS 133 514 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS) for the Unified Data Management (UDM) network product class (3GPP TS 33.514 version 18.2.0 Release 18)

TS 133 515 V18.1.0:2024

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 18.1.0 Release 18)

TS 133 516 V18.0.0:2024

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 18.0.0 Release 18)

TS 133 517 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS) for the Security Edge Protection Proxy (SEPP) network product class (3GPP TS 33.517 version 18.0.0 Release 18)

TS 133 518 V18.0.0:2024

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 18.0.0 Release 18)

TS 133 519 V18.0.0:2024

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 18.0.0 Release 18)

TS 133 520 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Specification (SCAS) for Non-3GPP InterWorking Function (N3IWF) (3GPP TS 33.520 version 18.0.0 Release 18)

TS 133 521 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS); Network Data Analytics Function (NWDAF) (3GPP TS 33.521 version 18.0.0 Release 18)

TS 133 522 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS); Service Communication Proxy (SCP) (3GPP TS 33.522 version 18.0.0 Release 18)

TS 133 523 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; 5G Security Assurance Specification (SCAS); Split gNB product classes (3GPP TS 33.523 version 18.2.0 Release 18)

TS 133 526 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security assurance specification for the Management Function (MnF) (3GPP TS 33.526 version 18.1.0 Release 18)

TS 133 527 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Specification (SCAS) for 3GPP virtualized network products (3GPP TS 33.527 version 18.2.0 Release 18)

TS 133 528 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Specification (SCAS) for the Policy Control Function (PCF) (3GPP TS 33.528 version 18.0.0 Release 18)

TS 133 533 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security aspects of ranging based services and sidelink positioning (3GPP TS 33.533 version 18.2.0 Release 18)

TS 133 535 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 18.3.0 Release 18)

TS 133 537 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Specification (SCAS) for the Authentication and Key Management for Applications (AKMA) Anchor Function (AAnF) (3GPP TS 33.537 version 18.2.0 Release 18)

TS 133 558 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security aspects of enhancement of support for enabling edge applications (3GPP TS 33.558 version 18.1.0 Release 18)

TR 133 916 V18.0.0:2024

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 18.0.0 Release 18)

TR 133 926 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
LTE; 5G; Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes (3GPP TR 33.926 version 18.3.0 Release 18)

TR 133 927 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Specification (SCAS); threats and critical assets in 3GPP virtualized network product classes (3GPP TR 33.927 version 18.2.0 Release 18)

TR 133 928 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; ADMF logic for provisioning Lawful Interception (LI) (3GPP TR 33.928 version 18.3.0 Release 18)

TR 133 936 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Security Assurance Methodology

(SECAM) for 3GPP virtualized network products (3GPP TR 33.936 version 18.0.1 Release 18)

TS 134 109 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); Terminal logical test interface; Special conformance testing functions (3GPP TS 34.109 version 18.0.0 Release 18)

TS 134 123-2 V15.7.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) proforma specification (3GPP TS 34.123-2 version 15.7.0 Release 15)

TS 134 124 V18.0.0:2024

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 18.0.0 Release 18)

TS 134 131 V18.0.0:2024

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 18.0.0 Release 18)

TS 134 229-1 V17.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 17.0.0 Release 17)

TS 134 229-2 V16.10.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment

(UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 16.10.0 Release 16)

TS 134 229-2 V17.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 17.0.0 Release 17)

TS 134 229-3 V17.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 17.5.0 Release 17)

TS 134 229-5 V16.10.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 16.10.0 Release 16)

TS 134 229-5 V17.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 17.0.0 Release 17)

TR 134 926 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 201 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 202 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 203 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 204 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 205 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 206 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 207 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 208 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 215 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 216 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 217 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 218 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 221 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 222 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 223 V18.0.0:2024

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 18.0.0 Release 18)

TS 135 231 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUA 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 18.0.0 Release 18)

TS 135 232 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUA 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 18.0.0 Release 18)

TS 135 233 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications System (UMTS); LTE; Specification of the TUA 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 18.0.0 Release 18)

TS 135 240 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Specification of the Snow 5G based 256-bits algorithm set: specification of the 256-NEA4 encryption, the 256-NIA4 integrity, and the 256-NCA4 authenticated encryption algorithm for 5G; Document 1: algorithm specification (3GPP TS 35.240 version 18.0.0 Release 18)

TS 135 241 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Specification of the Snow 5G based 256-bits algorithm set: Specification of the 256-NEA4 encryption, the 256-NIA4 integrity algorithm, and the 256-NCA4 authenticated encryption algorithm for 5G; Document 2: implementation test data (3GPP TS 35.241 version 18.0.0 Release 18)

TS 135 242 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Specification of the Snow 5G based 256-bits algorithm set: Specification of the 256-NEA4 encryption, the 256-NIA4 integrity, and the 256-NCA4 authenticated encryption algorithm for 5G; Document 3: design conformance test data (3GPP TS 35.242 version 18.0.0 Release 18)

TS 135 243 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Specification of the AES based 256-bits algorithm set: Specification of the 256-NEA5 encryption, the 256-NIA5 integrity, and the 256-NCA5 authenticated encryption algorithm for 5G; Document 1: algorithm specification (3GPP TS 35.243 version 18.0.0 Release 18)

TS 135 244 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Specification of the AES based 256-bits algorithm set: Specification of the 256-NEA5 encryption, the 256-NIA5 integrity, and the 256-NCA5 authenticated encryption algorithm for 5G; Document 2: implementation test data (3GPP TS 35.244 version 18.0.0 Release 18)

TS 135 245 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Specification of the AES based 256-bits algorithm set: Specification of the 256-NEA5 encryption, the 256-NIA5 integrity, and the

256-NCA5 authenticated encryption algorithm for 5G; Document 3: design conformance test data (3GPP TS 35.245 version 18.0.0 Release 18)

TS 135 246 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Specification of the ZUC based 256-bits algorithm set: Specification of the 256-NEA6 encryption, the 256-NIA6 integrity, and the 256-NCA6 authenticated encryption algorithm for 5G; Document 1: algorithm specification (3GPP TS 35.246 version 18.0.0 Release 18)

TS 135 247 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Specification of the ZUC based 256-bits algorithm set: Specification of the 256-NEA6 encryption, the 256-NIA6 integrity, and the 256-NCA6 authenticated encryption algorithm for 5G; Document 2: implementation test data (3GPP TS 35.247 version 18.0.0 Release 18)

TS 135 248 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
5G; Specification of the ZUC based 256-bits algorithm set: Specification of the 256-NEA6 encryption, the 256-NIA6 integrity, and the 256-NCA6 authenticated encryption algorithm for 5G; Document 3: design conformance test data (3GPP TS 35.248 version 18.0.0 Release 18)

TR 135 909 V18.0.0:2024

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 18.0.0 Release 18)

TR 135 919 V18.0.0:2024

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 18.0.0 Release 18)

TR 135 924 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Universal Mobile Telecommunications
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System (UMTS); LTE; Specification of the 3GPP Confidentiality and Integrity Algorithms EEA3 & EIA3; Document 4: Design and Evaluation Report (3GPP TR 35.924 version 18.0.0 Release 18)

TR 135 934 V18.0.0:2024

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 18.0.0 Release 18)

TR 135 935 V18.0.0:2024

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 18.0.0 Release 18)

TR 135 936 V18.0.0:2024

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 18.0.0 Release 18)

TS 136 101 V16.20.0:2024

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 16.20.0 Release 16)

TS 136 102 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio transmission and reception for satellite access (3GPP TS 36.102 version 18.5.0 Release 18)

TS 136 104 V16.16.0:2024

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 16.16.0 Release 16)

TS 136 104 V17.12.0:2024

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 17.12.0 Release 17)

TS 136 104 V18.5.0:2024

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 18.5.0 Release 18)

TS 136 106 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio
 Access (E-UTRA); FDD repeater radio
 transmission and reception (3GPP TS 36.106
 version 18.0.0 Release 18)

TS 136 108 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio
 Access (E-UTRA); Satellite Access Node
 radio transmission and reception (3GPP TS
 36.108 version 18.5.0 Release 18)

TS 136 111 V18.0.0:2024

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 18.0.0 Release 18)

TS 136 112 V18.0.0:2024

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 18.0.0 Release 18)

TS 136 113 V15.7.0:2024

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 15.7.0
 Release 15)

TS 136 113 V16.5.0:2024

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 16.5.0

Release 16)

TS 136 113 V17.3.0:2024

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 17.3.0
 Release 17)

TS 136 113 V18.1.0:2024

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 18.1.0
 Release 18)

TS 136 116 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 LTE; Evolved Universal Terrestrial Radio
 Access (E-UTRA); Relay radio transmission
 and reception (3GPP TS 36.116 version
 18.0.0 Release 18)

TS 136 117 V18.0.0:2024

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 18.0.0 Release 18)

TS 136 124 V18.0.0:2024

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 18.0.0 Release 18)

TS 136 133 V16.20.0:2024

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 16.20.0 Release 16)

TS 136 133 V17.13.0:2024

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 17.13.0 Release 17)

TS 136 133 V18.5.0:2024

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 18.5.0 Release 18)

TS 136 141 V15.20.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 15.20.0 Release 15)

TS 136 141 V16.19.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 16.19.0 Release 16)

TS 136 141 V17.12.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 17.12.0 Release 17)

TS 136 141 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing (3GPP TS 36.141 version 18.4.0 Release 18)

TS 136 143 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater conformance testing (3GPP TS 36.143 version 18.0.0 Release 18)

TS 136 171 V18.0.0:2024

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 18.0.0 Release 18)

TS 136 181 V18.3.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Satellite Access Node conformance testing (3GPP TS 36.181 version 18.3.0 Release 18)

TS 136 201 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE physical layer;

General description (3GPP TS 36.201 version 18.0.0 Release 18)

TS 136 211 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical channels and modulation (3GPP TS 36.211 version 18.0.1 Release 18)

TS 136 212 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Multiplexing and channel coding (3GPP TS 36.212 version 18.0.0 Release 18)

TS 136 214 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Physical layer; Measurements (3GPP TS 36.214 version 18.0.0 Release 18)

TS 136 216 V18.0.0:2024

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 18.0.0 Release 18)

TS 136 300 V17.7.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2 (3GPP TS 36.300 version 17.7.0 Release 17)

TS 136 300 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Overall description; Stage 2 (3GPP TS 36.300 version 18.1.0 Release 18)

TS 136 302 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Services provided by the physical layer (3GPP TS 36.302 version 18.0.0 Release 18)

TS 136 304 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN LTE; Evolved Universal Terrestrial Radio

Access (E-UTRA); User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 18.1.0 Release 18)

TS 136 305 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Stage 2 functional specification of User Equipment (UE) positioning in E-UTRAN (3GPP TS 36.305 version 18.0.0 Release 18)

TS 136 306 V16.12.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.12.0 Release 16)

TS 136 306 V17.6.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 17.6.0 Release 17)

TS 136 306 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 18.1.0 Release 18)

TS 136 307 V17.7.0:2024

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 17.7.0 Release 17)

TS 136 307 V18.4.0:2024

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 18.4.0 Release 18)

TS 136 314 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Layer 2 - Measurements (3GPP TS 36.314 version 18.0.0 Release 18)

TS 136 321 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio

Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 18.1.0 Release 18)

TS 136 322 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Link Control (RLC) protocol specification (3GPP TS 36.322 version 18.0.0 Release 18)

TS 136 323 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 18.0.0 Release 18)

TS 136 331 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 17.8.0 Release 17)

TS 136 331 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (3GPP TS 36.331 version 18.1.0 Release 18)

TS 136 355 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol (LPP) (3GPP TS 36.355 version 18.0.0 Release 18)

TS 136 360 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE-WLAN Aggregation Adaptation Protocol (LWAAP) specification (3GPP TS 36.360 version 18.0.0 Release 18)

TS 136 361 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE-WLAN Radio Level Integration Using Ipsec Tunnel (LWIP) encapsulation; Protocol specification (3GPP TS 36.361 version 18.0.0 Release 18)

TS 136 401 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Architecture

description (3GPP TS 36.401 version 18.0.0 Release 18)

TS 136 410 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 general aspects and principles (3GPP TS 36.410 version 18.0.0 Release 18)

TS 136 411 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 layer 1 (3GPP TS 36.411 version 18.0.0 Release 18)

TS 136 412 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 signalling transport (3GPP TS 36.412 version 18.0.0 Release 18)

TS 136 413 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 18.1.0 Release 18)

TS 136 414 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 data transport (3GPP TS 36.414 version 18.0.0 Release 18)

TS 136 420 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 general aspects and principles (3GPP TS 36.420 version 18.0.0 Release 18)

TS 136 421 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 layer 1 (3GPP TS 36.421 version 18.0.0 Release 18)

TS 136 422 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 signalling transport (3GPP TS 36.422 version 18.0.0 Release 18)

TS 136 423 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 Application Protocol (X2AP) (3GPP TS 36.423 version 18.1.0 Release 18)

TS 136 424 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 data transport (3GPP TS 36.424 version 18.0.0 Release 18)

TS 136 425 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 interface user plane protocol (3GPP TS 36.425 version 18.0.0 Release 18)

TS 136 440 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); General aspects and principles for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN (3GPP TS 36.440 version 18.0.0 Release 18)

TS 136 441 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Layer 1 for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN (3GPP TS 36.441 version 18.0.0 Release 18)

TS 136 442 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Signalling Transport for interfaces supporting Multimedia Broadcast Multicast Service (MBMS) within E-UTRAN (3GPP TS 36.442 version 18.0.0 Release 18)

TS 136 443 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M2 Application Protocol (M2AP) (3GPP TS 36.443 version 18.0.0 Release 18)

TS 136 444 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M3 Application

Protocol (M3AP) (3GPP TS 36.444 version 18.0.0 Release 18)

TS 136 445 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M1 data transport (3GPP TS 36.445 version 18.0.0 Release 18)

TS 136 455 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 18.0.0 Release 18)

TS 136 456 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLM interface general aspects and principles (3GPP TS 36.456 version 18.0.0 Release 18)

TS 136 457 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLM interface layer 1 (3GPP TS 36.457 version 18.0.0 Release 18)

TS 136 458 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLM interface signalling transport (3GPP TS 36.458 version 18.0.0 Release 18)

TS 136 459 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); SLM interface Application Protocol (SLMAP) (3GPP TS 36.459 version 18.0.0 Release 18)

TS 136 461 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless LAN (WLAN); Xw layer 1 (3GPP TS 36.461 version 18.0.0 Release 18)

TS 136 462 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN

LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless LAN (WLAN); Xw signalling transport (3GPP TS 36.462 version 18.0.0 Release 18)

TS 136 463 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless Local Area Network (WLAN); Xw application protocol (XwAP) (3GPP TS 36.463 version 18.0.0 Release 18)

TS 136 464 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) and Wireless Local Area Network (WLAN); Xw data transport (3GPP TS 36.464 version 18.0.0 Release 18)

TS 136 465 V18.0.0:2024

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 18.0.0 Release 18)

TS 136 521-2 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 18.4.0 Release 18)

TS 136 521-4 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 4: Satellite access Radio Frequency (RF) and performance Conformance Testing (3GPP TS 36.521-4 version 18.1.0 Release 18)

TS 136 523-2 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 18.4.0 Release 18)

TS 136 579-1 V16.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE;
Part 1: Common test environment (3GPP TS
36.579-1 version 16.4.0 Release 16)

TS 136 579-2 V16.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE;
Part 2: Mission Critical Push To Talk
(MCPTT) User Equipment (UE) Protocol
conformance specification (3GPP TS 36.579-
2 version 16.4.0 Release 16)

TS 136 579-3 V14.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE;
Part 3: Mission Critical Push To Talk
(MCPTT) Server Application conformance
specification (3GPP TS 36.579-3 version
14.0.0 Release 14)

TS 136 579-3 V15.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE;
Part 3: Mission Critical Push To Talk
(MCPTT) Server Application conformance
specification (3GPP TS 36.579-3 version
15.0.0 Release 15)

TS 136 579-4 V16.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE;
Part 4: Test Applicability and Implementation
Conformance Statement (ICS) proforma
specification (3GPP TS 36.579-4 version
16.4.0 Release 16)

TS 136 579-5 V17.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE;
Part 5: Abstract test suite (ATS) (3GPP TS
36.579-5 version 17.5.0 Release 17)

TS 136 579-6 V16.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE;
Part 6: Mission Critical Video (MCVideo) User
Equipment (UE) Protocol conformance
specification (3GPP TS 36.579-6 version
16.4.0 Release 16)

TS 136 579-7 V16.3.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Mission Critical (MC) services over LTE;
Part 7: Mission Critical Data (MCDATA) User
Equipment (UE) Protocol conformance
146

specification (3GPP TS 36.579-7 version
16.3.0 Release 16)

TR 136 764 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE IoT NTN operating bands
(3GPP TR 36.764 version 18.1.0 Release 18)

TR 136 770 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; High Power UE (Power Class 2) for
LTE FDD Band 14 (3GPP TR 36.770 version
18.0.0 Release 18)

TR 136 903 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio
Access (E-UTRA) and Evolved Universal
Terrestrial Radio Access Network (E-
UTRAN); Derivation of test tolerances for
Radio Resource Management (RRM)
conformance tests (3GPP TR 36.903 version
18.2.0 Release 18)

TR 136 904 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio
Access (E-UTRA) and Evolved Universal
Terrestrial Radio Access Network (E-
UTRAN); Derivation of test tolerances for
User Equipment (UE) radio reception
conformance tests (3GPP TR 36.904 version
18.1.0 Release 18)

TR 136 905 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio
Access (E-UTRA) and Evolved Universal
Terrestrial Radio Access Network (E-
UTRAN); Derivation of test points for radio
transmission and reception conformance test
cases (3GPP TR 36.905 version 18.4.0
Release 18)

TR 136 912 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Feasibility study for Further
Advancements for E-UTRA (LTE-Advanced)
(3GPP TR 36.912 version 18.0.0 Release 18)

TR 136 913 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Requirements for further advancements
for Evolved Universal Terrestrial Radio
Access (E-UTRA) (LTE-Advanced) (3GPP
TR 36.913 version 18.0.0 Release 18)

TR 136 921 V18.0.0:2024

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 18.0.0
Release 18)

TR 136 922 V18.0.0:2024

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 18.0.0
Release 18)

TR 136 927 V18.0.0:2024

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 18.0.0 Release 18)

TR 136 931 V18.0.0:2024

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 18.0.0 Release 18)

TR 136 932 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Scenarios and requirements for small
cell enhancements for E-UTRA and E-
UTRAN (3GPP TR 36.932 version 18.0.0
Release 18)

TR 136 933 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Study on Context Aware Service
Delivery in RAN for LTE (3GPP TR 36.933
version 18.0.0 Release 18)

TR 136 942 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Evolved Universal Terrestrial Radio
Access (E-UTRA); Radio Frequency (RF)
system scenarios (3GPP TR 36.942 version
18.0.0 Release 18)

TR 136 976 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Overall description of LTE-based 5G
broadcast (3GPP TR 36.976 version 18.0.0
Release 18)

TS 137 104 V16.20.0:2024

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 16.20.0 Release 16)

TS 137 104 V17.12.0:2024

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 17.12.0 Release 17)

TS 137 104 V18.5.0:2024

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 18.5.0 Release 18)

TS 137 105 V15.19.0:2024

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 15.19.0 Release 15)

TS 137 105 V16.15.0:2024

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 16.15.0 Release 16)

TS 137 105 V17.9.0:2024

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 17.9.0 Release 17)

TS 137 105 V18.4.0:2024

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 18.4.0 Release 18)

TS 137 106 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; User Equipment (UE) requirements for shared spectrum channel access (3GPP TS 37.106 version 18.0.0 Release 18)

TS 137 107 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; Base Station (BS) requirements and conformance tests for shared spectrum channel access (3GPP TS 37.107 version 18.0.0 Release 18)

TS 137 113 V16.6.0:2024

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 16.6.0 Release 16)

TS 137 113 V17.4.0:2024

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 17.4.0 Release 17)

TS 137 113 V18.1.0:2024

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 18.1.0 Release 18)

TS 137 114 V18.1.0:2024

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 18.1.0 Release 18)

TS 137 141 V16.21.0:2024

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 16.21.0 Release 16)

TS 137 141 V17.13.0:2024

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 17.13.0 Release 17)

TS 137 141 V18.5.0:2024

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 18.5.0 Release 18)

TS 137 144 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Universal Mobile Telecommunications System (UMTS); LTE; User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 18.0.0 Release 18)

TS 137 145-1 V17.11.0:2024

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 17.11.0 Release 17)

TS 137 145-1 V18.5.0:2024

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 18.5.0 Release 18)

TS 137 145-2 V15.17.0:2024

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 15.17.0 Release 15)

TS 137 145-2 V16.17.0:2024

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 16.17.0 Release 16)

TS 137 145-2 V17.11.0:2024

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 17.11.0 Release 17)

TS 137 145-2 V18.5.0:2024

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 18.5.0 Release 18)

TS 137 171 V18.0.0:2024

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 18.0.0 Release 18)

TS 137 213 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 18.2.0 Release 18)

TS 137 320 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Radio measurement collection for Minimization of Drive Tests (MDT); Overall description; Stage 2 (3GPP TS 37.320 version 18.1.0 Release 18)

TS 137 324 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; Evolved Universal Terrestrial Radio

Access (E-UTRA) and NR; Service Data Adaptation Protocol (SDAP) specification (3GPP TS 37.324 version 18.0.0 Release 18)

TS 137 340 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; NR; Multi-connectivity; Overall description; Stage-2 (3GPP TS 37.340 version 18.1.0 Release 18)

TS 137 355 V16.13.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.13.0 Release 16)

TS 137 355 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 17.8.0 Release 17)

TS 137 355 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 18.1.0 Release 18)

TS 137 460 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Iu-nt interface: General aspects and principles (3GPP TS 37.460 version 18.0.0 Release 18)

TS 137 461 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Iu-nt interface: Layer 1 (3GPP TS 37.461 version 18.0.0 Release 18)

TS 137 462 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Iu-nt interface: Signalling transport (3GPP TS 37.462 version 18.0.0 Release 18)

TS 137 466 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; Iu-nt interface: Application part (3GPP TS 37.466 version 18.0.0 Release 18)

TS 137 470 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; General aspects and

principles (3GPP TS 37.470 version 18.0.0 Release 18)

TS 137 471 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; Layer 1 (3GPP TS 37.471 version 18.0.0 Release 18)

TS 137 472 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; Signalling transport (3GPP TS 37.472 version 18.0.0 Release 18)

TS 137 473 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; W1 interface; Application Protocol (W1AP) (3GPP TS 37.473 version 18.0.0 Release 18)

TS 137 480 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; E1 general aspects and principles (3GPP TS 37.480 version 18.1.0 Release 18)

TS 137 481 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; E1 layer 1 (3GPP TS 37.481 version 18.0.0 Release 18)

TS 137 482 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; E1 signalling transport (3GPP TS 37.482 version 18.0.0 Release 18)

TS 137 483 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; E1 Application Protocol (E1AP) (3GPP TS 37.483 version 18.1.0 Release 18)

TS 137 544 V16.3.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA); User Equipment (UE) Over The Air (OTA) performance; Conformance testing (3GPP TS 37.544 version 16.3.0 Release 16)

TS 137 571-2 V17.3.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 2: Protocol conformance (3GPP TS 37.571-2 version 17.3.0 Release 17)

TS 137 571-3 V17.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 17.4.0 Release 17)

TS 137 571-4 V17.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 4: Test suites (3GPP TS 37.571-4 version 17.5.0 Release 17)

TS 137 571-5 V17.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Universal Mobile Telecommunications System (UMTS); LTE; 5G; User Equipment (UE) conformance specification for UE positioning; Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 17.4.0 Release 17)

TR 137 900 V18.0.0:2024

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 18.0.0 Release 18)

TR 137 901-5 V16.12.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on 5G NR User Equipment (UE) application layer data throughput performance (3GPP TR 37.901-5 version 16.12.0 Release 16)

TR 137 902 V18.0.0:2024

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 18.0.0 Release 18)

TR 137 910 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on self evaluation towards IMT-2020 submission (3GPP TR 37.910 version 18.0.0 Release 18)

TR 137 911 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 LTE; 5G; Study on self-evaluation towards
 the IMT-2020 submission of the 3GPP
 Satellite Radio Interface Technology (3GPP
 TR 37.911 version 18.1.0 Release 18)

TR 137 941 V17.3.0:2024

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 17.3.0 Release 17)

TR 137 941 V18.0.0:2024

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 18.0.0 Release 18)

TR 137 976 V18.0.0:2024

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 18.0.0 Release 18)

TR 137 977 V18.0.0:2024

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 18.0.0
 Release 18)

TR 137 985 V18.0.0:2024

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 18.0.0 Release 18)

TS 138 101-2 V15.25.0:2024

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
 15.25.0 Release 15)

TS 138 101-2 V16.19.0:2024

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
 16.19.0 Release 16)

TS 138 101-2 V17.13.0:2024

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
 17.13.0 Release 17)

TS 138 101-2 V18.5.0:2024

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
 18.5.0 Release 18)

TS 138 101-3 V15.25.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 5G; NR; User Equipment (UE) radio
 transmission and reception; Part 3: Range 1
 and Range 2 Interworking operation with
 other radios (3GPP TS 38.101-3 version
 15.25.0 Release 15)

TS 138 101-3 V16.19.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 5G; NR; User Equipment (UE) radio
 transmission and reception; Part 3: Range 1
 and Range 2 Interworking operation with
 other radios (3GPP TS 38.101-3 version
 16.19.0 Release 16)

TS 138 101-3 V17.13.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 5G; NR; User Equipment (UE) radio
 transmission and reception; Part 3: Range 1
 and Range 2 Interworking operation with
 other radios (3GPP TS 38.101-3 version
 17.13.0 Release 17)

TS 138 101-4 V15.21.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 5G; NR; User Equipment (UE) radio
 transmission and reception; Part 4:
 Performance requirements (3GPP TS
 38.101-4 version 15.21.0 Release 15)

TS 138 101-4 V16.16.0:2024

Comitet Tehnic ETSI: 3GPP RAN
 5G; NR; User Equipment (UE) radio
 transmission and reception; Part 4:
 Performance requirements (3GPP TS
 38.101-4 version 16.16.0 Release 16)

TS 138 101-4 V17.12.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio
transmission and reception; Part 4:
Performance requirements (3GPP TS
38.101-4 version 17.12.0 Release 17)

TS 138 101-5 V17.7.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio
transmission and reception; Part 5: Satellite
access Radio Frequency (RF) and
performance requirements (3GPP TS 38.101-
5 version 17.7.0 Release 17)

TS 138 101-5 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio
transmission and reception; Part 5: Satellite
access Radio Frequency (RF) and
performance requirements (3GPP TS 38.101-
5 version 18.5.0 Release 18)

TS 138 104 V15.20.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) radio transmission
and reception (3GPP TS 38.104 version
15.20.0 Release 15)

TS 138 104 V16.19.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) radio transmission
and reception (3GPP TS 38.104 version
16.19.0 Release 16)

TS 138 104 V17.13.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) radio transmission
and reception (3GPP TS 38.104 version
17.13.0 Release 17)

TS 138 104 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) radio transmission
and reception (3GPP TS 38.104 version
18.5.0 Release 18)

TS 138 106 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR repeater radio transmission and
reception (3GPP TS 38.106 version 17.8.0
Release 17)

TS 138 106 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR repeater radio transmission and
reception (3GPP TS 38.106 version 18.4.0
Release 18)

TS 138 108 V17.7.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Satellite Access Node radio
transmission and reception (3GPP TS 38.108
version 17.7.0 Release 17)

TS 138 108 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Satellite Access Node radio
transmission and reception (3GPP TS 38.108
version 18.2.0 Release 18)

TS 138 113 V16.10.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) ElectroMagnetic
Compatibility (EMC) (3GPP TS 38.113
version 16.10.0 Release 16)

TS 138 113 V17.6.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) ElectroMagnetic
Compatibility (EMC) (3GPP TS 38.113
version 17.6.0 Release 17)

TS 138 113 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) ElectroMagnetic
Compatibility (EMC) (3GPP TS 38.113
version 18.2.0 Release 18)

TS 138 114 V17.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Repeaters ElectroMagnetic
Compatibility (EMC) (3GPP TS 38.114
version 17.5.0 Release 17)

TS 138 114 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Repeaters ElectroMagnetic
Compatibility (EMC) (3GPP TS 38.114
version 18.1.0 Release 18)

TS 138 115-1 V17.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Repeater conformance testing - Part
1: Conducted conformance testing (3GPP TS
38.115-1 version 17.5.0 Release 17)

TS 138 115-1 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Repeater conformance testing - Part
1: Conducted conformance testing (3GPP TS
38.115-1 version 18.4.0 Release 18)

TS 138 115-2 V17.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Repeater conformance testing - Part
2: Radiated conformance testing (3GPP TS

38.115-2 version 17.5.0 Release 17)

TS 138 115-2 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Repeater conformance testing - Part 2: Radiated conformance testing (3GPP TS 38.115-2 version 18.0.0 Release 18)

TS 138 124 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 18.1.0 Release 18)

TS 138 141-1 V15.16.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.16.0 Release 15)

TS 138 141-1 V16.19.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.19.0 Release 16)

TS 138 141-1 V17.13.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 17.13.0 Release 17)

TS 138 141-1 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 18.5.0 Release 18)

TS 138 141-2 V17.13.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 17.13.0 Release 17)

TS 138 141-2 V18.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 18.5.0 Release 18)

TS 138 151 V17.7.0:2024

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 17.7.0 Release 17)

TS 138 151 V18.0.0:2024

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 18.0.0 Release 18)

TS 138 161 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) TRP (Total Radiated Power) and TRS (Total Radiated Sensitivity) requirements; Range 1 Standalone and Range 1 Interworking operation with other radios (3GPP TS 38.161 version 18.0.0 Release 18)

TS 138 171 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements for support of Assisted Global Navigation Satellite System (A-GNSS) (3GPP TS 38.171 version 18.0.1 Release 18)

TS 138 174 V16.10.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.10.0 Release 16)

TS 138 174 V17.7.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 17.7.0 Release 17)

TS 138 174 V18.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 18.4.0 Release 18)

TS 138 175 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Integrated Access and Backhaul (IAB) Electromagnetic Compatibility (EMC) (3GPP TS 38.175 version 18.0.1 Release 18)

TS 138 176-1 V16.8.0:2024

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 16.8.0 Release 16)

TS 138 176-1 V17.8.0:2024

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 17.8.0 Release 17)

TS 138 176-1 V18.4.0:2024

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 18.4.0 Release 18)

TS 138 176-2 V16.9.0:2024

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 16.9.0 Release 16)

TS 138 176-2 V17.8.0:2024

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 17.8.0 Release 17)

TS 138 176-2 V18.4.0:2024

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 18.4.0 Release 18)

TS 138 181 V17.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Satellite Access Node conformance testing (3GPP TS 38.181 version 17.4.0 Release 17)

TS 138 181 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Satellite Access Node conformance testing (3GPP TS 38.181 version 18.1.0 Release 18)

TS 138 201 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer; General description (3GPP TS 38.201 version 18.0.0 Release 18)

TS 138 202 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Services provided by the physical
154

layer (3GPP TS 38.202 version 18.2.0 Release 18)

TS 138 211 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical channels and modulation (3GPP TS 38.211 version 18.2.0 Release 18)

TS 138 212 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Multiplexing and channel coding (3GPP TS 38.212 version 18.2.0 Release 18)

TS 138 213 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for control (3GPP TS 38.213 version 18.2.0 Release 18)

TS 138 214 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer procedures for data (3GPP TS 38.214 version 18.2.0 Release 18)

TS 138 215 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Physical layer measurements (3GPP TS 38.215 version 18.2.0 Release 18)

TS 138 300 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 17.8.0 Release 17)

TS 138 300 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NR and NG-RAN Overall description; Stage-2 (3GPP TS 38.300 version 18.1.0 Release 18)

TS 138 304 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) procedures in Idle mode and in RRC Inactive state (3GPP TS 38.304 version 17.8.0 Release 17)

TS 138 304 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) procedures in Idle mode and in RRC Inactive state (3GPP TS 38.304 version 18.1.0 Release 18)

TS 138 305 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; NG Radio Access Network (NG-RAN); Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 18.1.0 Release 18)

TS 138 306 V15.24.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.24.0 Release 15)

TS 138 306 V16.16.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.16.0 Release 16)

TS 138 306 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 17.8.0 Release 17)

TS 138 307 V16.16.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.16.0 Release 16)

TS 138 307 V17.12.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 17.12.0 Release 17)

TS 138 307 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 18.1.0 Release 18)

TS 138 314 V17.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Layer 2 measurements (3GPP TS 38.314 version 17.5.0 Release 17)

TS 138 314 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Layer 2 measurements (3GPP TS 38.314 version 18.0.0 Release 18)

TS 138 321 V16.15.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.15.0 Release 16)

TS 138 321 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP RAN

5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 17.8.0 Release 17)

TS 138 321 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 18.1.0 Release 18)

TS 138 322 V17.4.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Link Control (RLC) protocol specification (3GPP TS 38.322 version 17.4.0 Release 17)

TS 138 322 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Link Control (RLC) protocol specification (3GPP TS 38.322 version 18.0.0 Release 18)

TS 138 323 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 18.1.0 Release 18)

TS 138 331 V15.25.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 15.25.0 Release 15)

TS 138 331 V16.16.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 16.16.0 Release 16)

TS 138 331 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 17.8.0 Release 17)

TS 138 331 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Radio Resource Control (RRC); Protocol specification (3GPP TS 38.331 version 18.1.0 Release 18)

TS 138 340 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 18.0.0 Release 18)

TS 138 351 V17.7.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Sidelink Relay Adaptation Protocol (SRAP) Specification (3GPP TS 38.351 version 17.7.0 Release 17)

TS 138 351 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Sidelink Relay Adaptation Protocol (SRAP) Specification (3GPP TS 38.351 version 18.1.0 Release 18)

TS 138 355 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Sidelink Positioning Protocol (SLPP); Protocol Specification (3GPP TS 38.355 version 18.1.0 Release 18)

TS 138 401 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Architecture description (3GPP TS 38.401 version 18.1.0 Release 18)

TS 138 410 V18.1.2:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG general aspects and principles (3GPP TS 38.410 version 18.1.2 Release 18)

TS 138 411 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG layer 1 (3GPP TS 38.411 version 18.0.0 Release 18)

TS 138 412 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG signalling transport (3GPP TS 38.412 version 18.0.0 Release 18)

TS 138 413 V16.15.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.15.0 Release 16)

TS 138 413 V17.8.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG Application Protocol (NGAP) (3GPP TS 38.413 version 17.8.0 Release 17)

TS 138 413 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG Application Protocol (NGAP) (3GPP TS 38.413 version 18.1.0 Release 18)

TS 138 414 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NG data transport (3GPP TS 38.414 version 18.0.0 Release 18)

TS 138 415 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; PDU session user plane protocol (3GPP TS 38.415 version 18.1.0 Release 18)

TS 138 420 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn general aspects and principles (3GPP TS 38.420 version 18.1.0 Release 18)

TS 138 421 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn layer 1 (3GPP TS 38.421 version 18.0.0 Release 18)

TS 138 422 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn signalling transport (3GPP TS 38.422 version 18.0.0 Release 18)

TS 138 423 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn Application Protocol (XnAP) (3GPP TS 38.423 version 18.1.0 Release 18)

TS 138 424 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; Xn data transport (3GPP TS 38.424 version 18.0.0 Release 18)

TS 138 425 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NR user plane protocol (3GPP TS 38.425 version 18.0.0 Release 18)

TS 138 455 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 18.1.0 Release 18)

TS 138 460 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 general aspects and principles (3GPP TS 38.460 version 18.0.0 Release 18)

TS 138 461 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 layer 1 (3GPP TS 38.461 version 18.0.0 Release 18)

TS 138 462 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 signalling transport (3GPP TS 38.462 version 18.0.0 Release 18)

TS 138 463 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; E1 Application Protocol (E1AP) (3GPP TS 38.463 version 18.0.0 Release 18)

TS 138 470 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 general aspects and principles (3GPP TS 38.470 version 18.1.0 Release 18)

TS 138 471 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 layer 1 (3GPP TS 38.471 version 18.0.0 Release 18)

TS 138 472 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 signalling transport (3GPP TS 38.472 version 18.0.0 Release 18)

TS 138 473 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 Application Protocol (F1AP) (3GPP TS 38.473 version 18.1.0 Release 18)

TS 138 474 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NG-RAN; F1 data transport (3GPP TS 38.474 version 18.0.0 Release 18)

TS 138 508-2 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; 5GS; User Equipment (UE) conformance specification; Part 2: Common Implementation Conformance Statement (ICS) proforma (3GPP TS 38.508-2 version 18.2.0 Release 18)

TS 138 509 V17.5.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; 5GS; Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 17.5.0 Release 17)

TS 138 521-3 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.521-3 version 18.2.0 Release 18)

TS 138 521-5 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 5: Satellite access Radio Frequency (RF) and performance (3GPP TS 38.521-5 version 18.1.0 Release 18)

TS 138 522 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) conformance specification; Applicability of radio transmission, radio reception and radio resource management test cases (3GPP TS 38.522 version 18.2.0 Release 18)

TS 138 523-2 V17.6.1:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; 5GS; User Equipment (UE) conformance specification; Part 2: Applicability of protocol test cases (3GPP TS 38.523-2 version 17.6.1 Release 17)

TS 138 523-3 V17.10.0:2024

Comitet Tehnic ETSI: 3GPP RAN
LTE; 5G; 5GS; User Equipment (UE) conformance specification; Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 17.10.0 Release 17)

TS 138 551 V17.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance; Conformance testing (3GPP TS 38.551 version 17.1.0 Release 17)

TS 138 561 V17.1.1:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; User Equipment (UE) conformance specification; UE TRP (Total Radiated Power) and TRS (Total Radiated Sensitivity) requirements and test methodologies for FR1 (NR SA and EN-DC) (3GPP TS 38.561 version 17.1.1 Release 17)

TR 138 718-0-2 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR Carrier Aggregation band combinations with two SUL cells (3GPP TR 38.718-00-02 version 18.0.0 Release 18)

TR 138 761 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Measurements of Multiple Input Multiple Output (MIMO) Over-the-Air (OTA) performance of User Equipment (UE) (3GPP TR 38.761 version 18.1.0 Release 18)

TR 138 901 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on channel model for frequencies from 0.5 to 100 GHz (3GPP TR 38.901 version 18.0.0 Release 18)

TR 138 903 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 18.2.0 Release 18)

TR 138 905 V18.2.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; NR; Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases (3GPP TR 38.905 version 18.2.0 Release 18)

TR 138 912 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on New Radio (NR) access technology (3GPP TR 38.912 version 18.0.0 Release 18)

TR 138 913 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on scenarios and requirements for next generation access technologies (3GPP TR 38.913 version 18.0.0 Release 18)

TR 138 918 V18.1.0:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on 5G NR User Equipment (UE) full stack testing for Network Slicing (3GPP TR 38.918 version 18.1.0 Release 18)

TR 138 921 V18.0.1:2024

Comitet Tehnic ETSI: 3GPP RAN
5G; Study on International Mobile Telecommunications (IMT) parameters for 6.425 - 7.025 GHz, 7.025 - 7.125 GHz and 10.0 - 10.5 GHz (3GPP TR 38.921 version 18.0.1 Release 18)

TR 141 031 V18.0.0:2024

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 18.0.0 Release 18)

TS 141 101 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Technical Specifications
158

and Technical Reports for a GERAN-based 3GPP system (3GPP TS 41.101 version 18.0.0 Release 18)

TS 142 043 V18.0.0:2024

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 18.0.0 Release 18)

TS 142 056 V18.0.0:2024

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 18.0.0 Release 18)

TS 142 068 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Group Call Service (VGCS); Stage 1 (3GPP TS 42.068 version 18.0.0 Release 18)

TS 142 069 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Broadcast Service (VBS); Stage 1 (3GPP TS 42.069 version 18.0.0 Release 18)

TS 143 005 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Technical performance objectives (3GPP TS 43.005 version 18.0.0 Release 18)

TS 143 010 V18.0.0:2024

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 18.0.0 Release 18)

TS 143 013 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Discontinuous Reception (DRX) in the GSM system (3GPP TS 43.013 version 18.0.0 Release 18)

TS 143 020 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system

(Phase 2+) (GSM); Security related network functions (3GPP TS 43.020 version 18.0.0 Release 18)

TS 143 022 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Functions related to Mobile Station (MS) in idle mode and group receive mode (3GPP TS 43.022 version 18.0.0 Release 18)

TR 143 026 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Multiband operation of GSM / DCS 1800 by a single operator (3GPP TR 43.026 version 18.0.0 Release 18)

TR 143 030 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Radio network planning aspects (3GPP TR 43.030 version 18.0.0 Release 18)

TS 143 045 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Technical realization of facsimile group 3 transparent (3GPP TS 43.045 version 18.0.0 Release 18)

TS 143 050 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Transmission planning aspects of the speech service in the GSM Public Land Mobile Network (PLMN) system (3GPP TS 43.050 version 18.0.0 Release 18)

TS 143 051 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Overall description; Stage 2 (3GPP TS 43.051 version 18.0.0 Release 18)

TS 143 052 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; Lower Layers of the CTS Radio Interface, Stage 2 (3GPP TS 43.052 version 18.0.0 Release 18)

TS 143 055 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN

Digital cellular telecommunications system (Phase 2+) (GSM); Dual Transfer Mode (DTM); Stage 2 (3GPP TS 43.055 version 18.0.0 Release 18)

TR 143 058 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs) (3GPP TR 43.058 version 18.0.0 Release 18)

TS 143 059 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Functional stage 2 description of Location Services (LCS) in GERAN (3GPP TS 43.059 version 18.0.0 Release 18)

TS 143 064 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2 (3GPP TS 43.064 version 18.0.0 Release 18)

TS 143 068 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Group Call Service (VGCS); Stage 2 (3GPP TS 43.068 version 18.0.0 Release 18)

TS 143 069 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Broadcast Service (VBS); Stage 2 (3GPP TS 43.069 version 18.0.0 Release 18)

TS 143 073 V18.0.0:2024

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 18.0.0 Release 18)

TS 143 129 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Packet-switched handover for GERAN A/Gb mode; Stage 2 (3GPP TS 43.129 version 18.0.0 Release 18)

TS 143 130 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); GSM/EDGE Iur-g
interface; Stage 2 (3GPP TS 43.130 version
18.0.0 Release 18)

TS 143 246 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); Multimedia
Broadcast/Multicast Service (MBMS) in the
GERAN; Stage 2 (3GPP TS 43.246 version
18.0.0 Release 18)

TS 143 318 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); Generic Access Network
(GAN); Stage 2 (3GPP TS 43.318 version
18.0.0 Release 18)

TR 143 901 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); Feasibility Study on
generic access to A/Gb interface (3GPP TR
43.901 version 18.0.0 Release 18)

TR 143 902 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); Enhanced Generic
Access Networks (EGAN) study (3GPP TR
43.902 version 18.0.0 Release 18)

TR 143 903 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); A-interface over IP study
(AINTIP) (3GPP TR 43.903 version 18.0.0
Release 18)

TS 144 001 V18.0.0:2024

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 18.0.0 Release 18)

TS 144 003 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); Mobile Station - Base
Station System (MS - BSS) Interface Channel
Structures and Access Capabilities (3GPP
TS 44.003 version 18.0.0 Release 18)

TS 144 004 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); GSM/EDGE Layer 1;
General Requirements (3GPP TS 44.004
version 18.0.0 Release 18)

TS 144 005 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); GSM/EDGE Data Link
(DL) Layer; General aspects (3GPP TS
44.005 version 18.0.0 Release 18)

TS 144 006 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); Mobile Station - Base
Station System (MS - BSS) interface; Data
Link (DL) layer specification (3GPP TS
44.006 version 18.0.0 Release 18)

TS 144 012 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); Short Message Service
Cell Broadcast (SMSCB) support on the
mobile radio interface (3GPP TS 44.012
version 18.0.0 Release 18)

TS 144 013 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system
(Phase 2+) (GSM); Performance
requirements on the mobile radio interface
(3GPP TS 44.013 version 18.0.0 Release 18)

TS 144 014 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); Individual equipment type
requirements and interworking; Special
GSM/EDGE conformance testing functions
(3GPP TS 44.014 version 18.0.0 Release 18)

TS 144 018 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system
(Phase 2+) (GSM); Mobile radio interface
layer 3 specification; GSM/EDGE Radio
Resource Control (RRC) protocol (3GPP TS
44.018 version 18.0.0 Release 18)

TS 144 021 V18.0.0:2024

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 18.0.0 Release 18)

TS 144 031 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP) (3GPP TS 44.031 version 18.0.0 Release 18)

TS 144 035 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods (3GPP TS 44.035 version 18.0.0 Release 18)

TS 144 056 V18.0.0:2024

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 18.0.0 Release 18)

TS 144 057 V18.0.0:2024

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 18.0.0 Release 18)

TS 144 060 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control / Medium Access Control (RLC/MAC) protocol (3GPP TS 44.060 version 18.0.0 Release 18)

TS 144 064 V18.0.0:2024

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 18.0.0 Release 18)

TS 144 065 V18.0.0:2024

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 18.0.0 Release 18)

TS 144 068 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Group Call Control (GCC) protocol (3GPP TS 44.068 version 18.0.0 Release 18)

TS 144 069 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP CT
Digital cellular telecommunications system (Phase 2+) (GSM); Broadcast Call Control (BCC) protocol (3GPP TS 44.069 version 18.0.0 Release 18)

TS 144 071 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Location Services (LCS); Mobile radio interface layer 3 LCS specification (3GPP TS 44.071 version 18.0.0 Release 18)

TS 144 318 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Generic Access Network (GAN); Mobile GAN interface layer 3 specification (3GPP TS 44.318 version 18.0.0 Release 18)

TR 144 901 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE External Network Assisted Cell Change (NACC) (3GPP TR 44.901 version 18.0.0 Release 18)

TS 145 001 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Physical layer on the radio path; General description (3GPP TS 45.001 version 18.0.0 Release 18)

TS 145 002 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Multiplexing and multiple access on the radio path (3GPP TS 45.002 version 18.0.0 Release 18)

TS 145 003 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Channel coding (3GPP TS 45.003 version 18.0.0 Release 18)

TS 145 004 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Modulation (3GPP TS 45.004 version 18.0.0 Release 18)

TS 145 005 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio transmission and reception (3GPP TS 45.005 version 18.0.0 Release 18)

TS 145 008 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio subsystem link control (3GPP TS 45.008 version 18.0.0 Release 18)

TS 145 009 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Link adaptation (3GPP TS 45.009 version 18.0.0 Release 18)

TS 145 010 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio subsystem synchronization (3GPP TS 45.010 version 18.0.0 Release 18)

TS 145 015 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Release independent Downlink Advanced Receiver Performance (DARP); Implementation guidelines (3GPP TS 45.015 version 18.0.0 Release 18)

TS 145 022 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Radio link management in hierarchical networks (3GPP TS 45.022 version 18.0.0 Release 18)

TR 145 050 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Background for Radio Frequency (RF) requirements (3GPP TR 45.050 version 18.0.0 Release 18)

TS 145 056 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM Cordless Telephony System (CTS), Phase 1; CTS-FP Radio subsystem (3GPP TS 45.056 version 18.0.0 Release 18)

TR 145 902 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); GSM/EDGE Flexible Layer One (FLO) (3GPP TR 45.902 version 18.0.0 Release 18)

TR 145 903 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Feasibility study on Single Antenna Interference Cancellation (SAIC) for GSM networks (3GPP TR 45.903 version 18.0.0 Release 18)

TR 145 912 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Feasibility study for evolved GSM/EDGE Radio Access Network (GERAN) (3GPP TR 45.912 version 18.0.0 Release 18)

TR 145 913 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Optimized transmit pulse shape for downlink Enhanced General Packet Radio Service (EGPRS2-B) (3GPP TR 45.913 version 18.0.0 Release 18)

TR 145 914 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Circuit switched voice capacity evolution for GSM/EDGE Radio Access Network (GERAN) (3GPP TR 45.914 version 18.0.0 Release 18)

TR 145 926 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Solutions for GSM/EDGE Base Transceiver Station (BTS) energy

saving (3GPP TR 45.926 version 18.0.0 Release 18)

TS 146 001 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Processing functions (3GPP TS 46.001 version 18.0.0 Release 18)

TS 146 002 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Half rate speech processing functions (3GPP TS 46.002 version 18.0.0 Release 18)

TS 146 006 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; ANSI-C code for the GSM half rate speech codec (3GPP TS 46.006 version 18.0.0 Release 18)

TS 146 007 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Test sequences for the GSM half rate speech codec (3GPP TS 46.007 version 18.0.0 Release 18)

TS 146 008 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec (3GPP TS 46.008 version 18.0.0 Release 18)

TS 146 010 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Transcoding (3GPP TS 46.010 version 18.0.0 Release 18)

TS 146 011 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Substitution and muting of lost frames for full rate speech channels (3GPP TS 46.011 version 18.0.0 Release 18)

TS 146 012 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system

(Phase 2+) (GSM); Full rate speech; Comfort noise aspect for full rate speech traffic channels (3GPP TS 46.012 version 18.0.0 Release 18)

TS 146 020 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Half rate speech transcoding (3GPP TS 46.020 version 18.0.0 Release 18)

TS 146 021 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels (3GPP TS 46.021 version 18.0.0 Release 18)

TS 146 022 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Comfort noise aspects for the half rate speech traffic channels (3GPP TS 46.022 version 18.0.0 Release 18)

TS 146 031 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels (3GPP TS 46.031 version 18.0.0 Release 18)

TS 146 032 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Full rate speech; Voice Activity Detector (VAD) for full rate speech traffic channels (3GPP TS 46.032 version 18.0.0 Release 18)

TS 146 041 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Discontinuous Transmission (DTX) for half rate speech traffic channels (3GPP TS 46.041 version 18.0.0 Release 18)

TS 146 042 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels (3GPP TS 46.042 version

18.0.0 Release 18)

TS 146 051 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Enhanced Full Rate (EFR) speech processing functions; General description (3GPP TS 46.051 version 18.0.0 Release 18)

TS 146 053 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec (3GPP TS 46.053 version 18.0.0 Release 18)

TS 146 054 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Test sequences for the GSM Enhanced Full Rate (EFR) speech codec (3GPP TS 46.054 version 18.0.0 Release 18)

TR 146 055 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Performance characterization of the GSM Enhanced Full Rate (EFR) speech codec (3GPP TR 46.055 version 18.0.0 Release 18)

TS 146 060 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Enhanced Full Rate (EFR) speech transcoding (3GPP TS 46.060 version 18.0.0 Release 18)

TS 146 061 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Substitution and muting of lost frames for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.061 version 18.0.0 Release 18)

TS 146 062 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.062 version 18.0.0 Release 18)

TR 146 076 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
164

Digital cellular telecommunications system (Phase 2+) (GSM); Adaptive Multi-Rate (AMR) speech codec; Study phase report (3GPP TR 46.076 version 18.0.0 Release 18)

TS 146 081 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Discontinuous Transmission (DTX) for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.081 version 18.0.0 Release 18)

TS 146 082 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.082 version 18.0.0 Release 18)

TR 146 085 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Subjective tests on the interoperability of the Half Rate / Full Rate / Enhanced Full Rate (HR/FR/EFR) speech codecs, single, tandem and tandem free operation (3GPP TR 46.085 version 18.0.0 Release 18)

TS 148 001 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; General aspects (3GPP TS 48.001 version 18.0.0 Release 18)

TS 148 002 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Interface principles (3GPP TS 48.002 version 18.0.0 Release 18)

TS 148 004 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Layer 1 specification (3GPP TS 48.004 version 18.0.0 Release 18)

TS 148 006 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system

(Phase 2+) (GSM); Signalling transport mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS - MSC) interface (3GPP TS 48.006 version 18.0.0 Release 18)

TS 148 008 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Switching Centre - Base Station system (MSC-BSS) interface; Layer 3 specification (3GPP TS 48.008 version 18.0.0 Release 18)

TS 148 014 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb interface Layer 1 (3GPP TS 48.014 version 18.0.0 Release 18)

TS 148 016 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Network service (3GPP TS 48.016 version 18.0.0 Release 18)

TS 148 018 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS protocol (BSSGP) (3GPP TS 48.018 version 18.0.0 Release 18)

TS 148 020 V18.0.0:2024

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 18.0.0 Release 18)

TS 148 031 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Location Services (LCS); Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification (3GPP TS 48.031 version 18.0.0 Release 18)

TS 148 049 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Cell Broadcast Centre (BSC-CBC) interface specification; Cell Broadcast Service Protocol (CBSP) (3GPP TS 48.049 version 18.0.0 Release 18)

TS 148 051 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) interface; General aspects (3GPP TS 48.051 version 18.0.0 Release 18)

TS 148 052 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Interface principles (3GPP TS 48.052 version 18.0.0 Release 18)

TS 148 054 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits (3GPP TS 48.054 version 18.0.0 Release 18)

TS 148 056 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification (3GPP TS 48.056 version 18.0.0 Release 18)

TS 148 058 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station Controller - Base Transceiver Station (BSC - BTS) Interface; Layer 3 specification (3GPP TS 48.058 version 18.0.0 Release 18)

TS 148 060 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); In-band control of remote transcoders and rate adaptors for full rate traffic channels (3GPP TS 48.060 version 18.0.0 Release 18)

TS 148 061 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); In-band control of remote transcoders and rate adaptors for half rate traffic channels (3GPP TS 48.061 version 18.0.0 Release 18)

TS 148 071 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification (3GPP TS 48.071 version 18.0.0 Release 18)

TS 148 103 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System - Media GateWay (BSS-MGW) interface; User plane transport mechanism (3GPP TS 48.103 version 18.0.0 Release 18)

TS 149 008 V18.0.0:2024

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 18.0.0 Release 18)

TS 149 031 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE) (3GPP TS 49.031 version 18.0.0 Release 18)

TR 149 995 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); General Packet Radio Service (GPRS); Interworking between modified Public Land Mobile Network (PLMN) supporting GPRS and legacy GPRS mobiles (3GPP TR 49.995 version 18.0.0 Release 18)

TS 151 010-2 V13.16.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification (3GPP TS 51.010-2 version 13.16.0 Release 13)

TS 151 010-4 V18.0.0:2024

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 18.0.0 Release 18)

TS 151 010-5 V10.21.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Station (MS) conformance specification; Part 5: Inter-Radio-Access-Technology (RAT) (GERAN / UTRAN) interaction Abstract Test Suite (ATS) (3GPP TS 51.010-5 version 10.21.0 Release 10)

TS 151 013 V18.0.0:2024

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 18.0.0 Release 18)

TS 151 021 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System (BSS) equipment specification; Radio aspects (3GPP TS 51.021 version 18.0.0 Release 18)

TS 151 026 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Base Station System (BSS) equipment specification; Part 4: Repeaters (3GPP TS 51.026 version 18.0.0 Release 18)

TS 152 008 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
Digital cellular telecommunications system (Phase 2+) (GSM); Telecommunication management; GSM subscriber and equipment trace (3GPP TS 52.008 version 18.0.0 Release 18)

TS 152 021 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP RAN
Digital cellular telecommunications system (Phase 2+) (GSM); Network Management (NM) procedures and messages on the A-bis interface (3GPP TS 52.021 version 18.0.0 Release 18)

TS 152 402 V18.0.0:2024

Comitet Tehnic ETSI: 3GPP SA
 Digital cellular telecommunications system (Phase 2+) (GSM); Telecommunication management; Performance Management (PM); Performance measurements - GSM (3GPP TS 52.402 version 18.0.0 Release 18)

TS 155 205 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 216 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 217 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 218 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 226 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 236 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 241 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 242 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 243 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 251 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 252 V18.0.0:2024

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 18.0.0 Release 18)

TS 155 253 V18.0.0:2024

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 18.0.0 Release 18)

TR 155 919 V18.0.0:2024

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 18.0.0 Release 18)

ES 203 997 V1.1.1:2024

Comitet Tehnic ETSI: EE 1
Environmental Engineering (EE);
Requirements and use cases of liquid cooling and high energy efficiency solutions for 5G BBU in C-RAN mode

EN 301 908-3 V15.1.1:2024

Comitet Tehnic ETSI: MSG TFES
IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 3: CDMA Direct Spread (UTRA FDD) Base Stations

(BS) Release 15

EN 303 661 V1.1.1:2024

Comitet Tehnic ETSI: ERM TGUWB
Short Range Devices (SRD); Ground Based Synthetic Aperture Radar (GBSAR) in the frequency range 17,1 GHz to 17,3 GHz and High Definition Ground Based Synthetic Aperture Radar (HD-GBSAR) in the frequency range 76 GHz to 77 GHz;
Harmonised Standard for access to radio spectrum

EN 303 753 V1.1.1:2024

Comitet Tehnic ETSI: BRAN
Wideband Data Transmission Systems (WDTS) for Mobile and Fixed Radio Equipment operating in the 57 - 71 GHz band; Harmonised Standard for access to radio spectrum



În perioada **2024.05.01 – 2024.05.31**

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.

prEN ISO 712-1

Cereals and cereal products - Determination of moisture content - Part 1: Reference method (ISO/FDIS 712-1:2024)
dea: 2024-08-21

FprCEN/TR 18104

Space — SBAS receivers performances for maritime applications — MARESS Test report
dea: 2024-08-01

01.040 Vocabulare

**01.040.49 Aeronautică și spațiu
(Vocabulare)**

prEN 4902

Aerospace series - Surface treatments - Definitions and test methods
dea: 2024-08-15

01.110 Documentație tehnică de produs

prEN 9300-210

Aerospace series - LOTAR -LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 210: Product management data in an "as designed" view
dea: 2024-07-25

03.080 Servicii

03.080.30 Servicii pentru consumatori

prEN 17229

Fitness centres - Requirements for centre amenities and operation - Operational and managerial requirements
dea: 2024-08-01

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

03.100.70 Sisteme de management

EN ISO 14001:2015/prA1

Environmental management systems - Requirements with guidance for use - Amendment 1: Climate action changes (ISO 14001:2015/Amd 1:2024)
dea: 2024-08-01

EN ISO 22000:2018/prA1

Food safety management systems - Requirements for any organization in the food chain - Amendment 1: Climate action changes (ISO 22000:2018/Amd 1:2024)
dea: 2024-08-01

EN ISO 22301:2019/prA1

Security and resilience - Business continuity management systems - Requirements - Amendment 1: Climate action changes (ISO 22301:2019/Amd 1:2024)
dea: 2024-08-01

EN ISO 29001:2020/prA1

Petroleum, petrochemical and natural gas industries - Sector-specific quality management systems - Requirements for product and service supply organizations - Amendment 1: Climate action changes (ISO 29001:2020/Amd 1:2024)
dea: 2024-08-01

EN ISO 41001:2018/prA1

Facility management - Management systems - Requirements with guidance for use - Amendment 1: Climate action changes (ISO 41001:2018/Amd 1:2024)
dea: 2024-08-01

EN ISO 50001:2018/prA1

Energy management systems - Requirements with guidance for use - Amendment 1: Climate action changes (ISO 50001:2018/Amd 1:2024)
dea: 2024-08-01

03.120 Calitate

03.120.10 Managementul calității și asigurarea calității

EN ISO 9001:2015/prA1

Quality management systems - Requirements - Amendment 1: Climate action changes (ISO 9001:2015/Amd 1:2024)
dea: 2024-08-01

EN ISO 19443:2022/prA1

Quality management systems - Specific requirements for the application of ISO 9001:2015 by organizations in the supply chain of the nuclear energy sector supplying products and services important to nuclear safety (ITNS) - Amendment 1: Climate action changes (ISO 19443:2018/Amd 1:2024)
dea: 2024-08-01

03.220 Transport

03.220.20 Transport rutier

prEN ISO 12855

Electronic fee collection - Information exchange between service provision and toll charging (ISO/DIS 12855:2024)
dea: 2024-07-30

prEN 16072

Intelligent transport systems - ESafety - Pan-European eCall operating requirements
dea: 2024-07-25

07.100 Microbiologie

07.100.20 Microbiologia apei

prEN ISO 7899-3

Water quality - Enumeration of intestinal enterococci - Part 3: Most probable number method (ISO/DIS 7899-3:2024)
dea: 2024-08-16

07.120 Nanotehnologii

FprCEN ISO/TS 5387

Nanotechnologies - Lung burden mass measurement of nanomaterials for inhalation toxicity tests (ISO/TS 5387:2023)
dea: 2024-08-15

prEN ISO 19337

Nanotechnologies - Characteristics of working suspensions of nano-objects for in vitro assays to evaluate inherent nano-object toxicity (ISO 19337:2023)
dea: 2024-08-08

FprCEN ISO/TS 24672

Nanotechnologies - Guidance on the measurement of nanoparticle number concentration (ISO/TS 24672:2023)
dea: 2024-08-08

FprCEN ISO/TS 80004-13

Nanotechnologies - Vocabulary - Part 13: Graphene and other two-dimensional (2D) materials (ISO/DTS 80004-13:2024)
dea: 2024-07-22

07.140 Criminalistică

prEN ISO 21043-1

Forensic sciences - Part 1: Terms and definitions (ISO/DIS 21043-1:2024)
dea: 2024-07-26

prEN ISO 21043-3

Forensic Sciences - Part 3: Analysis (ISO/DIS 21043-3:2024)
dea: 2024-07-25

prEN ISO 21043-4

Forensic Sciences - Part 4: Interpretation (ISO/DIS 21043-4:2024)
dea: 2024-07-25

prEN ISO 21043-5

Forensic Sciences - Part 5: Reporting (ISO/DIS 21043-5:2024)
dea: 2024-07-25

11.040 Echipament medical

11.040.01 Echipament medical în general

EN ISO 15378:2017/prA1

Primary packaging materials for medicinal products - Particular requirements for the application of ISO 9001:2015, with reference to good manufacturing practice (GMP) - Amendment 1: Climate action changes (ISO 15378:2017/Amd 1:2024)
dea: 2024-08-01

11.060 Stomatologie

11.060.01 Stomatologie în general

prEN ISO 18618

Dentistry - Interoperability of CAD/CAM systems (ISO/DIS 18618:2024)
dea: 2024-08-13

11.060.25 Instrumente dentare

prEN ISO 21850-2

Dentistry - Materials for dental instruments - Part 2: Polymers (ISO/DIS 21850-2:2024)
dea: 2024-08-12

11.080 Sterilizare și dezinfectare**11.080.20 Dezinfectante și antiseptice****EN 16616:2022/prA1**

Chemical disinfectants and antiseptics - Chemical-thermal textile disinfection - Test method and requirements (phase 2, step 2)
dea: 2024-08-15

11.100 Medicină de laborator**11.100.20 Evaluarea biologică a dispozitivelor medicale****prEN ISO 10993-6**

Biological evaluation of medical devices - Part 6: Tests for local effects after implantation (ISO/DIS 10993-6:2024)
dea: 2024-08-13

13.020 Protecția mediului**13.020.20 Economia mediului. Durabilitate****FprCEN/TR 18114**

Bitumens and bituminous binders - Sustainability - Review on how to address environmental information
dea: 2024-08-08

EN ISO 37101:2022/prA1

Sustainable development in communities - Management system for sustainable development - Requirements with guidance for use - Amendment 1: Climate action changes (ISO 37101:2016/Amd 1:2024)
dea: 2024-08-01

13.020.40 Poluare, controlul poluării și protecția mediului**EN ISO 14064-1:2019/prA1**

Greenhouse gases - Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals - Amendment 1 (ISO 14064 1:2018/DAM 1:2024)
dea: 2024-07-25

13.030 Deșeuri**13.030.50 Reciclarea deșeurilor****FprCEN/TS 18084**

Road vehicles - Post Shredder Technology recycling - Design recommendations for plastic products
dea: 2024-07-25

prEN 18088

Flexible sheets for waterproofing - Plastics recycling and recycled plastics - Plastic waterproofing sheets
dea: 2024-08-22

13.040 Calitatea aerului**13.040.30 Aerul la locul de muncă****FprCEN/TS 18086**

Workplace exposure - Direct-reading low-cost particulate matter sensors for measuring airborne NOAA - Guidelines for application
dea: 2024-08-22

13.100 Securitate profesională. Igienă industrială**EN ISO 45001:2023/prA1**

Occupational health and safety management systems - Requirements with guidance for use - Amendment 1: Climate action changes (ISO 45001:2018/Amd 1:2024)
dea: 2024-08-01

13.220 Protecția contra incendiilor**13.220.20 Protecția contra incendiilor****EN 13565-1:2019/prA1**

Fixed firefighting systems - Foam systems - Part 1: Requirements and test methods for components
dea: 2024-07-25

EN 14972-1:2020/prA1

Fixed firefighting systems - Water mist systems - Part 1: Design, installation, inspection and maintenance
dea: 2024-08-22

13.220.50 Rezistența la foc a materialelor și a elementelor de construcții**prEN 15269-5**

Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies,

including their elements of building hardware
- Part 5: Fire resistance of hinged and pivoted
metal framed glazed doorsets and openable
windows
dea: 2024-08-22

13.340 Echipament de protecție individuală

13.340.20 Echipamente de protecție a capului

prEN 12492

Mountaineering equipment - Helmets for mountaineers - Safety requirements and test methods
dea: 2024-08-15

19.100 Încercări nedistructive

prEN ISO 16831

Non-destructive testing - Ultrasonic testing - Characterization and verification of ultrasonic equipment for the determination of thickness (ISO/DIS 16831:2024)
dea: 2024-07-25

23.020 Mijloace pentru stocarea fluidelor

23.020.35 Butelii de gaz

prEN ISO 9809-4

Gas cylinders - Design, construction and testing of refillable seamless steel gas cylinders and tubes - Part 4: Stainless steel cylinders with an R m value of less than 1 100 MPa (ISO/DIS 9809-4:2024)
dea: 2024-07-30

23.040 Conducte și accesorii

23.040.03 Conducte și părțile lor pentru sistemele externe de transport al apei

FprCEN/TS 12201-7

Plastics piping systems for water supply, and for drains and sewers under pressure - Polyethylene (PE) - Part 7: Assessment of conformity
dea: 2024-08-22

23.040.40 Racorduri metalice

prEN 10344

Malleable cast iron fittings with compression

ends for steel pipes
dea: 2024-07-25

25.030 Fabricația aditivă

FprCEN ISO/ASTM TS 52949

Additive manufacturing of metals - Qualification principles - Installation, operation and performance (IQ/OQ/PQ) of PBF-EB equipment (ISO/ASTM/DTS 52949:2024)
dea: 2024-08-22

25.160 Sudare și lipire

25.160.01 Sudare și lipire în general

prEN ISO 14732

Welding personnel - Qualification testing of welding operators and weld setters for mechanized and automatic welding of metallic materials (ISO/DIS 14732:2024)
dea: 2024-07-11

27.040 Turbine cu gaz și cu abur. Mașini cu abur

prEN 12952-1

Water-tube boilers and auxiliary installations - Part 1: General
dea: 2024-08-15

31.260 Optoelectronică. Aparate cu laser

prEN ISO 21254-1

Lasers and laser-related equipment - Test methods for laser-induced damage threshold - Part 1: Definitions and general principles (ISO/DIS 21254-1:2024)
dea: 2024-07-29

35.030 Securitatea IT

FprCEN/CLC ISO/IEC/TS 23532-1

Information security, cybersecurity and privacy protection - Requirements for the competence of IT security testing and evaluation laboratories - Part 1: Evaluation for ISO/IEC 15408 (ISO/IEC/TS 23532-1:2021)
dea: 2024-08-15

FprCEN/CLC ISO/IEC/TS 23532-2

Information security, cybersecurity and privacy protection - Requirements for the competence of IT security testing and evaluation laboratories - Part 2: Testing for

ISO/IEC 19790 (ISO/IEC/TS 23532-2:2021)
dea: 2024-08-15

35.240 Aplicații privind tehnologia informației

35.240.20 Aplicații IT pentru birotică

FprCEN/TS 16931-8

Electronic invoicing - Part 8: Semantic data model of the elements of an e-receipt or a simplified electronic invoice
dea: 2024-08-22

FprCEN/TS 17011-3

Electronic Public Procurement - Architecture - Part 3: Customisation Guideline
dea: 2024-08-15

35.240.30 Aplicații IT în informație, documentare și editare

prEN 9300-003

Aerospace series - LOTAR - LOnG Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 003: Fundamentals and concepts
dea: 2024-07-25

35.240.60 Aplicații IT în transport

prEN 16072

Intelligent transport systems - ESafety - Pan-European eCall operating requirements
dea: 2024-07-25

prEN 18052

Intelligent transport systems - ESafety - ECall end to end conformance testing for eCall HLAP in hybrid circuit switched/packet switched network environments
dea: 2024-07-25

35.240.63 Aplicații IT în comerț

FprCEN/TS 16931-8

Electronic invoicing - Part 8: Semantic data model of the elements of an e-receipt or a simplified electronic invoice
dea: 2024-08-22

35.240.70 Aplicații IT în știință

prEN ISO 19152-4

Geographic information - Land Administration Domain Model (LADM) - Part 4: Valuation

information (ISO/DIS 19152-4:2024)
dea: 2024-08-05

45.040 Materiale și componente pentru căi ferate

prEN 15827

Railway applications - System Engineering requirements for bogies and running gear
dea: 2024-07-25

49.025 Materiale pentru aeronautică

49.025.10 Oțeluri

prEN 2450

Aerospace series - Steel 31NiMoCr10-5-3 - 1 230 MPa = Rm = 1 420 MPa - Bars - De = 40 mm
dea: 2024-08-08

prEN 2451

Aerospace series - Steel 31NiMoCr10-5-3 - 1 230 MPa = Rm = 1 420 MPa - Forgings - De = 40 mm
dea: 2024-08-08

49.060 Echipament electric

prEN 6049-009

Aerospace series - Electrical cables, installation - Protection sleeve in meta-aramid fibres - Part 009: Self-wrapping fire protection sleeve, flexible, post-installation, operating temperature from -55 °C to 260 °C - Product standard
dea: 2024-08-15

53.020 Instalații de ridicat

53.020.20 Macarale

prEN 14238

Cranes - Manually controlled load manipulators
dea: 2024-08-15

53.040 Echipamente pentru transport continuu

53.040.20 Componente pentru transportoare

prEN 14973

Conveyor belts for use in underground installations - Electrical and flammability safety requirements
dea: 2024-08-15

53.060 Cărucioare de manipulare

prEN ISO 10896-2

Rough-terrain trucks - Safety requirements and verification - Part 2: Slewing trucks (ISO/DIS 10896-2:2024)
dea: 2024-08-05

59.080 Produse din industria textilă

59.080.70 Geotextile

prEN ISO 13433

Geosynthetics - Determination of dynamic perforation (cone drop test) (ISO/DIS 13433:2024)
dea: 2024-07-22

65.060 Mașini și echipamente agricole

65.060.80 Echipamente forestiere

prEN ISO 11680

Machinery for forestry - Safety requirements and testing for portable pole mounted powered pruners (ISO/DIS 11680:2024)
dea: 2024-07-25

67.120 Carne, produse din carne și alte produse de origine animală

67.120.01 Produse de origine animală în general

prEN 18082

Foods of animal origin - Multimethod for the determination of pesticide residues using LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE
dea: 2024-08-15

67.140 Ceai. Cafea. Cacao

67.140.30 Cacao

EN ISO 34101-1:2020/prA1

Sustainable and traceable cocoa - Part 1: Requirements for cocoa sustainability management systems - Amendment 1: Climate action changes (ISO 34101-1:2019/Amd 1:2024)
dea: 2024-08-01

67.250 Materiale și produse în contact cu alimentele

prEN 10333

Steel for packaging - Flat steel products intended for use in contact with foodstuffs, products and beverages for human and animal consumption - Tin coated steel (tinplate)
dea: 2024-08-22

71.100 Produse din industria chimică

71.100.20 Gaze pentru aplicații industriale

prEN ISO 22734-1

Hydrogen generators using water electrolysis - Part 1: General requirements, test protocols and safety requirements (ISO/DIS 22734-1:2024)
dea: 2024-07-24

71.100.35 Dezinfectante de uz industrial și casnic

prEN 14204

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (phase 2, step 1)
dea: 2024-07-25

71.100.80 Produse chimice pentru purificarea apei

prEN 1278

Chemicals used for treatment of water intended for human consumption - Ozone
dea: 2024-08-15

prEN 15074

Chemicals used for treatment of swimming pool water - Ozone
dea: 2024-08-15

prEN 15077

Chemicals used for treatment of swimming pool water - Sodium hypochlorite
dea: 2024-08-08

71.120 Echipamente pentru industria chimică

71.120.99 Alte echipamente pentru industria chimică

prEN ISO 22734-1

Hydrogen generators using water electrolysis - Part 1: General requirements, test protocols and safety requirements (ISO/DIS 22734-1:2024)

dea: 2024-07-24

75.140 Ceară de petrol, materiale bituminoase și alte produse petroliere

FprCEN/TR 18114

Bitumens and bituminous binders - Sustainability - Review on how to address environmental information

dea: 2024-08-08

75.160 Combustibili

75.160.20 Combustibili lichizi

prEN 14078

Liquid petroleum products - Determination of fatty acid methyl ester (FAME) content in middle distillates - Infrared spectrometry method

dea: 2024-08-15

75.160.40 Biocombustibili

prEN ISO 17831-1

Solid biofuels - Determination of mechanical durability of pellets and briquettes - Part 1: Pellets (ISO/DIS 17831-1:2024)

dea: 2024-08-14

prEN ISO 17831-2

Solid biofuels - Determination of mechanical durability of pellets and briquettes - Part 2: Briquettes (ISO/DIS 17831-2:2024)

dea: 2024-08-16

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

prEN 13616-1

Overfill prevention devices for static tanks for liquid fuels - Part 1: Overfill prevention devices with closure device

dea: 2024-08-15

77.040 Încercările metalelor

77.040.10 Încercări mecanice ale metalelor

FprCEN ISO/TS 6892-5

Metallic materials - Tensile testing - Part 5: Specification for testing miniaturised test pieces (ISO/DTS 6892-5:2024)

dea: 2024-07-31

77.140 Produse din oțel și fontă

77.140.45 Oțeluri nealiat

EN 10253-2:2021/prA1

Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements

dea: 2024-08-15

77.140.65 Sârme, cabluri și lanțuri din oțel

EN 12385-5:2021/prA1

Steel wire ropes - Safety - Part 5: Stranded ropes for lifts

dea: 2024-07-25

77.150 Produse din metale neferoase

77.150.10 Produse din aluminiu

prEN 12392

Aluminium and aluminium alloys - Wrought products and cast products - Special requirements for products intended for the production of pressure equipment

dea: 2024-08-08

79.060 Plăci din lemn

79.060.10 Placaje

prEN 12369-2

Wood-based panels - Characteristic values for structural design - Part 2: Plywood

dea: 2024-08-15

79.060.20 Plăci din aşchii de lemn și plăci din fibre de lemn

prEN 12369-1

Wood-based panels - Characteristic values for structural design - Part 1: OSB, particleboards and fibreboards

dea: 2024-08-15

81.040 Sticlă

81.040.20 Sticlă pentru construcții

prEN 18080

Glass in building - Reaction to fire - Mounting and fixing instructions for glass products and extended application of test results
dea: 2024-08-08

83.080 Materiale plastice

83.080.20 Materiale termoplastice

prEN 478

Plastics - Poly(vinyl chloride) (PVC) based profiles - Determination of the appearance after exposure at 150 °C
dea: 2024-08-22

83.140 Produse din cauciuc și materiale plastice

83.140.01 Produse din cauciuc și materiale plastice, în general

FprCEN/TS 18084

Road vehicles - Post Shredder Technology recycling - Design recommendations for plastic products
dea: 2024-07-25

83.140.99 Alte produse din cauciuc și materiale plastice

prEN 514

Plastics - Poly(vinyl chloride) (PVC) based profiles - Determination of the strength of welded corners and T-joints
dea: 2024-08-22

83.180 Adezivi

prEN 15416-1

Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 1: Long-term tension load test perpendicular to the bond line at varying climate conditions with specimens perpendicular to the glue line (Glass house test)
dea: 2024-07-25

prEN 15416-3

Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear
dea: 2024-07-25

prEN 15416-4

Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 4: Determination of open assembly time under referenced conditions
dea: 2024-07-25

prEN 15416-5

Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 5: Determination of minimum pressing time under referenced conditions
dea: 2024-07-25

87.040 Vopsele și emailuri

prEN ISO 16276-2

Corrosion protection of steel structures by protective paint systems - Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating - Part 2: Cross-cut testing and X-cut testing (ISO/DIS 16276-2:2024)
dea: 2024-08-07

87.060 Ingrediente pentru vopsele

87.060.20 Lianți

prEN ISO 11908

Binders for paints and varnishes - Amino resins - General methods of test (ISO/DIS 11908:2024)
dea: 2024-07-23

91.040 Clădiri

91.040.99 Alte clădiri

prEN 15978

Sustainability of construction works - Assessment of environmental performance of buildings - Requirements and guidance
dea: 2024-07-25

91.080 Structuri de construcții

91.080.13 Structuri de oțel

prEN ISO 16276-1

Corrosion protection of steel structures by protective paint systems - Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating - Part 1: Pull-off testing (ISO/DIS 16276-1:2024)
dea: 2024-08-08

91.100 Materiale de construcții**91.100.50 Lianți. Materiale pentru etanșare****FprCEN/TR 18114**

Bitumens and bituminous binders - Sustainability - Review on how to address environmental information
dea: 2024-08-08

91.120 Protecția exterioară și interioară a clădirilor**91.120.10 Izolație termică****EN ISO 12572:2016/prA1**

Hygrothermal performance of building materials and products - Determination of water vapour transmission properties - Cup method - Amendment 1 (ISO 12572:2016/DAM 1:2024)
dea: 2024-07-31

91.140 Instalații în clădiri**91.140.30 Ventilație și climatizare****prEN 1886**

Ventilation for buildings - Air handling units - Mechanical performance
dea: 2024-08-15

93.025 Sisteme de transport exterioare pentru apă**prEN 1508**

Water supply - Requirements for systems and components for the storage of water
dea: 2024-08-22

93.080 Ingineria drumurilor**93.080.20 Materiale de construcții pentru drumuri****prEN 12272-1**

Surface dressing - Test methods - Part 1: Rate of spread and accuracy of spread of binder and chippings
dea: 2024-08-08

prEN 15626

Bitumens and bituminous binders -

Determination of adhesivity of cut-back and fluxed bituminous binders by water immersion test - Aggregate method
dea: 2024-07-25

97.150 Acoperitoare de sol**prEN 1815**

Resilient, Modular mechanical locked floor coverings (MMF) and laminate floor coverings - Assessment of static electrical propensity
dea: 2024-07-25

97.190 Echipamente pentru copii**prEN 14372**

Child care articles - Cutlery and feeding utensils - Safety requirements and tests
dea: 2024-08-01

97.195 Obiecte de artă și produse din industria de artizanat. Bunuri culturale și patrimoniu cultural**prEN 16853**

Conservation of cultural heritage - Conservation process - Decision making, planning, implementation and documentation
dea: 2024-07-25

97.200 Echipamente pentru distracții**97.200.50 Jucării****FprCEN ISO/TR 8124-8**

Safety of toys - Part 8: Age determination: first age grade for the appropriate play of toys (ISO/DTR 8124-8:2024)
dea: 2024-08-20

97.220 Echipamente și instalații sportive**97.220.10 Instalații sportive****prEN 13451-4**

Swimming pool equipment - Part 4 : Additional specific safety requirements and test methods for starting platforms
dea: 2024-08-15



În perioada **2024.05.01 – 2024.05.31**

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 IEC 61131-2:202X/prAA:2024

Industrial-process measurement and control - Programmable controllers - Part 2: Equipment requirements and tests
dea: 2024-08-09

prEN IEC 61753-022-13:2024

Fibre optic interconnecting devices and passive components - Performance standard - Part 022-13: Multimode fibre optic connectors terminated as pigtailed and patchcords for category OP+ HD- Extended outdoor protected environment with additional heat dissipation
dea: 2024-08-09

prEN IEC 62841-4-11:2024

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-11: Particular requirements for edgers
dea: 2024-08-02

prEN IEC 63563-1:2024

Qi Specification version 2.0 - Part 1: Introduction (Fast track)
dea: 2024-07-26

prEN IEC 63563-10:2024

Qi specification version 2.0 - Part 10: Mpp system specification (Fast track)
dea: 2024-07-26

prEN IEC 63563-11:2024

Qi specification version 2.0 - Part 11: Mpp communications protocol (Fast track)
dea: 2024-07-26

prEN IEC 63563-2:2024

Qi Specification version 2.0 - Part 2: Glossary (Fast track)
dea: 2024-07-26

prEN IEC 63563-3:2024

Qi Specification version 2.0 - Part 3: Mechanical, thermal, and user interface (Fast

track)

dea: 2024-07-26

prEN IEC 63563-4:2024

Qi Specification version 2.0 - Part 4: Power delivery (Fast track)
dea: 2024-07-26

prEN IEC 63563-5:2024

Qi Specification version 2.0 - Part 5: Communications physical layer (Fast track)
dea: 2024-07-26

prEN IEC 63563-6:2024

Qi Specification version 2.0 - Part 6: Communications protocol (Fast track)
dea: 2024-07-26

prEN IEC 63563-7:2024

Qi specification version 2.0 - Part 7: Foreign object detection (Fast track)
dea: 2024-07-26

prEN IEC 63563-8:2024

Qi specification version 2.0 - Part 8: Nfc tag protection (Fast track)
dea: 2024-07-26

prEN IEC 63563-9:2024

Qi specification version 2.0 - Part 9: Authentication protocol (Fast track)
dea: 2024-07-26

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

03.100.70 Sisteme de management

EN ISO/IEC 27001:2023/prA1

Information security, cybersecurity and privacy protection - Information security management systems - Requirements - Amendment 1: Climate action changes (ISO/IEC 27001:2022/Amd 1:2024)
dea: 2024-08-01

11.040 Echipament medical

11.040.01 Echipament medical în general

EN ISO 15223-1:2021/prA1
Medical devices - Symbols to be used with information to be supplied by the manufacturer - Part 1: General requirements - Amendment 1: Addition of defined term for authorized representative and Modified EC REP symbol to not be country or region specific (ISO 15223 1:2021/DAM 1:2024)
dea: 2024-08-15

11.040.50 Echipament radiologic

prEN IEC 61675-2:2024
Radionuclide imaging devices - Characteristics and test conditions - Part 2: Gamma cameras for planar, wholebody, and SPECT imaging
dea: 2024-08-23

13.020 Protecția mediului

13.020.01 Medii și protecția mediului în general

prEN IEC 63372:2024
Quantification and communication of Carbon FootPRINT and GHG emission reductions/avoided emissions from electric and electronic products and systems - Principles, methodologies, requirements and guidance
dea: 2024-07-26

13.120 Securitatea în locuințe

prEN IEC 60335-2-106:2024
Household and similar electrical appliances - Safety - Part 2-106: Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings
dea: 2024-08-09

prEN IEC 60335-2-106:2024/prAA:2024
Household and similar electrical appliances - Safety - Part 2-106: Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings
dea: 2024-08-09

prEN IEC 60335-2-13:2024
Household and similar electrical appliances -

Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
dea: 2024-08-16

prEN IEC 60335-2-13:2024/prAA:2024
Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
dea: 2024-08-16

prEN IEC 60335-2-16:2024
Household and similar electrical appliances - Safety - Part 2-16: Particular requirements for food waste disposers
dea: 2024-08-16

prEN IEC 60335-2-16:2024/prAA:2024
Household and similar electrical appliances - Safety - Part 2-16: Particular requirements for food waste disposers
dea: 2024-08-16

prEN IEC 60335-2-17:2024
Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances
dea: 2024-08-16

prEN IEC 60335-2-17:2024/prAA:2024
Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances
dea: 2024-08-16

prEN IEC 60335-2-28:2024
Household and similar electrical appliances - Safety - Part 2-28: Particular requirements for sewing machines
dea: 2024-08-16

prEN IEC 60335-2-28:2024/prAA:2024
Household and similar electrical appliances - Safety - Part 2-28: Particular requirements for sewing machines
dea: 2024-08-16

prEN IEC 60335-2-3:2024
Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons
dea: 2024-08-16

prEN IEC 60335-2-3:2024/prAA:2024
Household and similar electrical appliances -

Safety - Part 2-3: Particular requirements for electric irons
dea: 2024-08-16

prEN IEC 60335-2-4:2024

Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
dea: 2024-08-16

prEN IEC 60335-2-4:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
dea: 2024-08-16

prEN IEC 60335-2-59:2024

Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
dea: 2024-08-16

prEN IEC 60335-2-59:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
dea: 2024-08-16

**17.220 Electricitate. Magnetism.
Măsurări electrice și magnetice**

**17.220.20 Măsurări de mărimi electrice
și magnetice**

prEN IEC 61554:2024

Panel mounted equipment - Electrical measuring instruments - Dimensions for panel mounting
dea: 2024-07-26

**19.080 Încercări electrice și
electronice**

prEN IEC 60112:2024

Method for the determination of the proof and the comparative tracking indices of solid insulating materials
dea: 2024-08-02

27.180 Energie eoliană

EN IEC 61400-5:2020/prA1:2024

Amendment 1 - Wind energy generation systems - Part 5: Wind turbine blades
dea: 2024-08-09

27.200 Tehnica frigului

prEN IEC 60335-2-104:2024

Household and similar electrical appliances - Safety - Part 2-104: Particular requirements for appliances to recover and/or recycle refrigerant from air conditioning and refrigeration equipment
dea: 2024-08-09

prEN IEC 60335-2-104:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-104: Particular requirements for appliances to recover and/or recycle refrigerant from air conditioning and refrigeration equipment
dea: 2024-08-09

29.035 Materiale electroizolante

**29.035.01 Materiale electroizolante în
general**

prEN IEC 60112:2024

Method for the determination of the proof and the comparative tracking indices of solid insulating materials
dea: 2024-08-02

29.080 Izolații electrice

29.080.30 Sisteme de izolații electrice

EN IEC 60664-1:2020/prA1:2024

Amendment 1 - Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests
dea: 2024-08-02

**29.100 Componente pentru
echipament electric**

prEN IEC 63372:2024

Quantification and communication of Carbon FootPRINT and GHG emission reductions/avoided emissions from electric and electronic products and systems - Principles, methodologies, requirements and guidance
dea: 2024-07-26

29.120 Accesorii electrice

29.120.70 Relee

prEN IEC 63522-27:2024

Electrical relays - Testing and measurement - Part 27: Electrical contact noise
dea: 2024-08-09

prEN IEC 63522-28:2024

Electrical relays - Tests and measurement - Part 28: Thermoelectric electromotive force (e.m.f.)
dea: 2024-08-09

prEN IEC 63522-31:2024

Electrical relays - Tests and measurements - Part 31: Magnetic remanence
dea: 2024-06-28

prEN IEC 63522-38:2024

Electrical relays - Testing and measurement - Part 38: Mechanical interlock
dea: 2024-08-09

prEN IEC 63522-44:2024

Electrical relays - Tests and measurements - Part 44: Corrosive atmosphere due to salt mist
dea: 2024-08-16

prEN IEC 63522-46:2024

Electrical relays - Tests and measurements - Part 46: Impulse voltage test
dea: 2024-08-09

prEN IEC 63522-49:2024

Electrical relays - Tests and measurements - Part 49: Long term stability of sealing
dea: 2024-08-16

29.130 Aparate de conectare și comandă**29.130.10 Aparate de conectare și comandă de înaltă tensiune****prEN IEC 62271-208:2024**

High-voltage switchgear and controlgear - Part 208: Methods to quantify the steady state, power-frequency electromagnetic fields generated by HV switchgear assemblies and HV/LV prefabricated substations, both for rated voltages above 1 kV and up to and including 52 kV
dea: 2024-07-26

29.130.20 Aparate de conectare și comandă de joasă tensiune**prEN IEC 61439-8:2024**

Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for use in photovoltaic installations
dea: 2024-08-16

29.140 Lămpi și accesorii**29.140.30 Lămpi fluorescente. Lămpi cu descărcare****EN 62554:2011/prA2:2024**

Amendment 2 - Sample preparation for measurement of mercury level in fluorescent lamps and low-pressure mercury UV radiation sources
dea: 2024-08-02

29.200 Redresoare. Convertizoare. Surse stabilizate**prEN IEC 62909-1:2024**

Bi-directional grid connected power converters - Part 1: General and safety requirements
dea: 2024-08-23

29.220 Acumulatori și elemente galvanice**prEN IEC 62680-1-2:2024**

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB power delivery specification
dea: 2024-08-02

29.220.20 Acumulatori și baterii acide**prEN IEC 62902:2024**

Secondary cells and batteries - Marking symbols for identification of their chemistry
dea: 2024-07-26

29.220.30 Acumulatori și baterii alcaline**EN 50604-1:2016/prA2:2024**

Secondary lithium batteries for light EV (electric vehicle) applications - Part 1: General safety requirements and test methods
dea: 2024-07-26

prEN IEC 62902:2024

Secondary cells and batteries - Marking symbols for identification of their chemistry
dea: 2024-07-26

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**

prEN IEC 63380-2:2024

Local charging station management systems and local energy management systems network connectivity and information exchange - Part 2: Specific data model mapping
dea: 2024-08-02

prEN IEC 63380-3:2024

Local charging station management systems and local energy management systems network connectivity and information exchange - Part 3: Communication protocol and cybersecurity specific aspects
dea: 2024-08-02

29.260 Echipament electric pentru condiții speciale

29.260.20 Aparate și echipamente electrice pentru medii explozive

EN IEC 60079-25:2022/prA1:2024

Amendment 1 - Explosive atmospheres - Part 25: Intrinsically safe electrical systems
dea: 2024-08-09

33.100 Compatibilitate electromagnetică (EMC)

33.100.20 Imunitate

prEN IEC 61000-4-2:2024

Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test
dea: 2024-07-26

33.120 Componente și accesorii pentru echipament de telecomunicații

prEN IEC 62680-1-2:2024

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB power delivery specification
dea: 2024-08-02

33.120.20 Fire și cabluri simetrice

prEN IEC 62680-1-3:2024

Universal serial bus interfaces for data and power - Part 1-3: Common components - USB type-c® cable and connector specification
dea: 2024-08-02

33.120.30 Conectoare pentru frecvențe radio

prEN IEC 62680-1-3:2024

Universal serial bus interfaces for data and power - Part 1-3: Common components - USB type-c® cable and connector specification
dea: 2024-08-02

prEN IEC 63185:2024

Measurement of the complex permittivity for low-loss dielectric substrates balanced-type circular disk resonator method
dea: 2024-08-16

33.180 Comunicații prin fibră optică

33.180.01 Sisteme cu fibră optică în general

EN 62148-2:2011/prA1:2024

Amendment 1 - Fibre optic active components and devices - Package and interface standards - Part 2: SFF 10-pin transceivers
dea: 2024-08-16

prEN IEC 62496-4-3:2024

Optical circuit boards - Part 4-3: Interface standards - Terminated waveguide OCB assembly using a single-row 32-channel PMT connector intermateable with a 250-μm pitch MPO 16
dea: 2024-07-05

33.180.10 Fibre optice și cabluri

prEN IEC 60794-1-205:2024

Optical fibre cables - Part 1-205: Generic specification - Basic optical cable test procedures - Environmental test methods - Water penetration, method F5
dea: 2024-08-23

prEN IEC 60794-1-214:2024

Optical fibre cables - Part 1-214: Generic specification - Basic optical cable test procedures - Environmental test methods - Cable UV resistance test, method F14
dea: 2024-08-23

prEN IEC 60794-1-302:2024

Optical fibre cables - Part 1-302: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon dimensions and geometry - Visual

method, Method G2
dea: 2024-08-02

35.020 Tehnologia informației (IT) în general

CLC/FprTS 50600-4-31:2024

Information technology - Data centre facilities and infrastructures - Part 4-31: Key performance indicators for Resilience
dea: 2024-07-26

35.110 Rețele

CLC/FprTS 50600-4-31:2024

Information technology - Data centre facilities and infrastructures - Part 4-31: Key performance indicators for Resilience
dea: 2024-07-26

35.160 Sisteme de microprocesoare

CLC/FprTS 50600-4-31:2024

Information technology - Data centre facilities and infrastructures - Part 4-31: Key performance indicators for Resilience
dea: 2024-07-26

35.200 Echipament de interfață și interconectare

prEN IEC 62680-1-2:2024

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB power delivery specification
dea: 2024-08-02

prEN IEC 62680-1-3:2024

Universal serial bus interfaces for data and power - Part 1-3: Common components - USB type-c® cable and connector specification
dea: 2024-08-02

35.240 Aplicații privind tehnologia informației

35.240.50 Aplicații IT în industrie

prEN IEC 63430:2024

Data container for wearable sensor
dea: 2024-08-02

43.120 Vehicule rutiere electrice

prEN IEC 62840-1:2024

Electric vehicle battery swap system - Part 1:

General and guidance
dea: 2024-08-02

prEN IEC 62840-2:2024

Electric vehicle battery swap system - Part 2: Safety requirements
dea: 2024-08-09

prEN IEC 63380-2:2024

Local charging station management systems and local energy management systems network connectivity and information exchange - Part 2: Specific data model mapping
dea: 2024-08-02

prEN IEC 63380-3:2024

Local charging station management systems and local energy management systems network connectivity and information exchange - Part 3: Communication protocol and cybersecurity specific aspects
dea: 2024-08-02

47.020 Construcții navale și structuri maritime în general

47.020.70 Echipament pentru navigație și control

EN IEC 62288:2022/prA1:2024

Amendment 1 - Maritime navigation and radiocommunication equipment and systems - Presentation of navigation-related information on shipborne navigational displays - General requirements, methods of testing and required test results
dea: 2024-08-16

55.230 Distribuitoare automate pentru vânzare

EN IEC 60335-2-75:2023/prAB:2024

Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines
dea: 2024-08-09

59.080 Produse din industria textilă

59.080.80 Textile inteligente

prEN IEC 63430:2024

Data container for wearable sensor
dea: 2024-08-02

61.080 Mașini de cusut și alte echipamente pentru industria de confecții

prEN IEC 60335-2-28:2024

Household and similar electrical appliances - Safety - Part 2-28: Particular requirements for sewing machines
dea: 2024-08-16

prEN IEC 60335-2-28:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-28: Particular requirements for sewing machines
dea: 2024-08-16

71.100 Produse din industria chimică

71.100.45 Agenți frigorifici și antigeluri

prEN IEC 60335-2-104:2024

Household and similar electrical appliances - Safety - Part 2-104: Particular requirements for appliances to recover and/or recycle refrigerant from air conditioning and refrigeration equipment
dea: 2024-08-09

prEN IEC 60335-2-104:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-104: Particular requirements for appliances to recover and/or recycle refrigerant from air conditioning and refrigeration equipment
dea: 2024-08-09

91.140 Instalații în clădiri

91.140.50 Sisteme de alimentare cu energie electrică

HD 60364-8-82:2022/prAA:2024

Low-voltage electrical installations - Part 8-82: Functional aspects - Prosumer's low-voltage electrical installations
dea: 2024-08-02

97.040 Echipament de bucătărie

97.040.30 Aparate de răcit de uz casnic

EN IEC 60335-2-34:2023/prAB:2024

Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors
dea: 2024-08-09

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97.040.50 Aparate mici de bucătărie

prEN IEC 60335-2-13:2024

Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
dea: 2024-08-16

prEN IEC 60335-2-13:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances
dea: 2024-08-16

prEN IEC 60335-2-16:2024

Household and similar electrical appliances - Safety - Part 2-16: Particular requirements for food waste disposers
dea: 2024-08-16

prEN IEC 60335-2-16:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-16: Particular requirements for food waste disposers
dea: 2024-08-16

prEN IEC 60335-2-17:2024

Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances
dea: 2024-08-16

prEN IEC 60335-2-17:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances
dea: 2024-08-16

97.060 Echipamente de spălat

prEN 50731:2024

Durability - Measurement method for the assessment of the reliability of washing machines for household use
dea: 2024-07-26

prEN IEC 60335-2-3:2024

Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons
dea: 2024-08-16

prEN IEC 60335-2-3:2024/prAA:2024

Household and similar electrical appliances -

Safety - Part 2-3: Particular requirements for electric irons
dea: 2024-08-16

prEN IEC 60335-2-4:2024

Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
dea: 2024-08-16

prEN IEC 60335-2-4:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors
dea: 2024-08-16

97.100 Aparate de încălzit de uz casnic, industrial și comercial

97.100.10 Aparate de încălzit electrice

prEN IEC 60335-2-106:2024

Household and similar electrical appliances - Safety - Part 2-106: Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings
dea: 2024-08-09

prEN IEC 60335-2-106:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-106: Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings
dea: 2024-08-09

97.120 Comenzi automate de uz casnic

prEN IEC 60730-2-23:2024

Automatic electrical controls - Part 2-23: Particular requirements for electrical sensors and sensor elements
dea: 2024-08-02

97.180 Echipamente menajere și comerciale diverse

prEN IEC 60335-2-28:2024

Household and similar electrical appliances - Safety - Part 2-28: Particular requirements for sewing machines
dea: 2024-08-16

prEN IEC 60335-2-28:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-28: Particular requirements for sewing machines
dea: 2024-08-16

prEN IEC 60335-2-59:2024

Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
dea: 2024-08-16

prEN IEC 60335-2-59:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers
dea: 2024-08-16



În perioada **2024.05.01 – 2024.05.31**

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 302 307-2 V1.4.1

Comitet Tehnic ETSI: BROADCASTAS
Digital Video Broadcasting (DVB); Second
generation framing structure, channel coding
and modulation systems for Broadcasting,

Interactive Services, News Gathering and
other broadband satellite applications; Part 2:
DVB-S2 Extensions (DVB-S2X)
dea: 2024-08-15

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 **2024.05.01 – 2024.05.31**

**ISO/TMBG CONSILIUL DE
MANAGEMENT TEHNIC**

ISO/IEC 80079-49:2024

Explosive atmospheres — Part 49: Flame arresters — Performance requirements, test methods and limits for use

**IULTCS UNIUNEA INTERNAȚIONALĂ A
SOCIETĂȚILOR
TEHNICIENILOR ȘI
CHIMIȘTILOR PIELARI**

ISO 21135:2024

Chemicals for the leather tanning industry — Determination of the total content of certain bisphenols

**ISO/IEC JTC 1 TEHNOLOGIA
INFORMAȚIEI**

ISO/IEC 4879:2024

Information technology — Quantum computing — Vocabulary

ISO/IEC 10918-4:2024

Information technology — Digital compression and coding of continuous-tone still images — Part 4: APPn markers

ISO/IEC 11179-34:2024

Information technology — Metadata registries (MDR) — Part 34: Metamodel for computable data registration

ISO/IEC 14763-3:2024

Information technology — Implementation and operation of customer premises cabling — Part 3: Testing of optical fibre cabling

ISO/IEC 15444-4:2024

Information technology — JPEG 2000 image coding system — Part 4: Conformance testing

ISO/IEC 16022:2024

Information technology — Automatic identification and data capture techniques — Data Matrix bar code symbology specification

ISO/IEC TR 17903:2024

Information technology — Artificial intelligence — Overview of machine learning computing devices

ISO/IEC 18477-1:2024

Information technology — Scalable compression and coding of continuous-tone still images — Part 1: Core coding system specification

ISO/IEC TS 20000-15:2024

Information technology — Service management — Part 15: Guidance on the application of Agile and DevOps principles in a service management system

ISO/IEC 24773-2:2024

Software and systems engineering — Certification of software and systems engineering professionals — Part 2: Guidance regarding description of knowledge, skills, and competencies contained in schemes

ISO/IEC 29110-1-1:2024

Systems and software engineering — Lifecycle profiles for very small entities (VSEs) — Part 1-1: Overview

ISO/IEC 29110-1-2:2024

Systems and software engineering — Lifecycle profiles for Very Small Entities (VSEs) — Part 1-2: Vocabulary

ISO/IEC 29794-1:2024

Information technology — Biometric sample quality — Part 1: Framework

ISO/IEC JTC 1/SC 41

ISO/IEC TS 30149:2024

Internet of Things (IoT) — Trustworthiness principles

ISO/IEC TS 30168:2024

Internet of Things (IoT) — Generic trust anchor application programming interface for industrial IoT devices

**ISO/TC 6 HÂRTIE, CARTON ȘI
CELULOZĂ****ISO 12625-16:2024**

Tissue paper and tissue products — Part 16: Determination of optical properties — Diffuse reflectance method for opacity (paper backing)

ISO 12625-5:2024

Tissue paper and tissue products — Part 5: Determination of wet tensile strength

ISO 15360-3:2024

Recycled pulps — Estimation of stickies and plastics — Part 3: Determination and identification by applying near-infrared measurement

**ISO/TC 8 NAVE ȘI TEHNOLOGIE
MARITIMĂ****ISO 24146-1:2024**

Ships and marine technology — Shipboard waste on inland navigation vessels — Part 1: On board management and handling

**ISO/TC 10 DOCUMENTAȚIE TEHNICĂ
DE PRODUS****ISO 22014:2024**

Library objects for architecture, engineering, construction and use

ISO/TC 17 OȚEL**ISO 11772:2024**

Hot-rolled longitudinally profiled steel plate

ISO/TC 20 AERONAUTICĂ ȘI SPAȚIU**ISO 6397:2024**

Aerospace — Test bolts, hexagonal head, metallic material, coated or uncoated

ISO 9621:2024

Space systems — Methods to decide thermal vacuum test cycles of recurring production according to precipitation efficiency and reliability

ISO 14085-3:2024

Aerospace series — Test methods for hydraulic filter elements — Part 3: Filtration efficiency and retention capacity

ISO/TC 22 VEHICULE RUTIERE**ISO 6621-4:2024**

Internal combustion engines — Piston rings — Part 4: General specifications

ISO 11452-3:2024

Road vehicles — Component test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 3: Transverse electromagnetic (TEM) cell

ISO 11898-1:2024

Road vehicles — Controller area network (CAN) — Part 1: Data link layer and physical coding sublayer

ISO/TS 18571:2024

Road vehicles — Objective rating metric for non-ambiguous signals

ISO 22760-3:2024

Road vehicles — Dimethyl Ether (DME) fuel system components — Part 3: 85% stop valve

ISO 22760-4:2024

Road vehicles — Dimethyl Ether (DME) fuel system components — Part 4: Level indicator

ISO 22760-6:2024

Road vehicles — Dimethyl Ether (DME) fuel system components — Part 6: Pressure relief valve (PRV)

ISO 22760-9:2024

Road vehicles — Dimethyl Ether (DME) fuel system components — Part 9: Pressure relief device (PRD)

ISO 23373:2024

Heavy commercial vehicles and buses — Vehicle dynamics simulation and validation — Tyre model for lateral estimation of heavy vehicle combinations operated at dry paved road surface

**ISO/TC 28 PRODUSE PETROLIERE ȘI
LUBRIFIANȚI****ISO 6963:2024**

Bunker cargo loading from oil terminal to bunker tanker using Coriolis mass flow meter

ISO 8217:2024

Products from petroleum, synthetic and renewable sources — Fuels (class F) — Specifications of marine fuels

ISO 9200:2024

Petroleum measurement systems —
Metering of viscous and high temperature
liquids

ISO 12925-1:2024

Lubricants, industrial oils and related
products (class L) — Family C (gears) — Part
1: Specifications for lubricants for enclosed
gear systems

ISO 23581:2024

Petroleum products and related products —
Determination of kinematic viscosity —
Method by Stabinger type viscometer

ISO/TC 33 MATERIALE REFRACTARE

ISO 21068-1:2024

Chemical analysis of raw materials and
refractory products containing silicon-carbide,
silicon-nitride, silicon-oxynitride and sialon —
Part 1: General information, terminology and
sample preparation

ISO/TC 34 PRODUSE ALIMENTARE

ISO 5642:2024

Tea polyphenol extracts — Definition and
basic requirements

ISO/TS 15213-3:2024

Microbiology of the food chain — Horizontal
method for the detection and enumeration of
Clostridium spp. — Part 3: Detection of
Clostridium perfringens

ISO 15914-2:2024

Animal feeding stuffs — Enzymatic
determination of total starch content — Part
2: Method by enzymatic determination with a
hexokinase system and potassium hydroxide
dispersion

ISO/TC 35 VOPSELE ȘI LACURI

ISO 11890-1:2024

Paints and varnishes — Determination of
volatile organic compounds (VOC) and/or
semi volatile organic compounds (SVOC)
content — Part 1: Gravimetric method for
VOC determination

ISO/TC 42 FOTOGRAFIE

ISO 20793:2024

Photography — Lenticular print for changing
images — Measurements of image quality
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ISO/TC 43 ACUSTICĂ

ISO 21388-2:2024

Acoustics — Hearing aid fitting management
— Part 2: Tele-services as part of hearing aid
fitting management (tHAFM)

**ISO/TC 44 SUDARE ȘI PROCEDEE
CONEXE**

ISO 12224-1:2024

Solder wire, solid and flux-cored —
Specification and test methods — Part 1:
Classification and performance requirements

ISO 12224-2:2024

Solder wire, solid and flux-cored —
Specification and test methods — Part 2:
Determination of flux content

**ISO/TC 45 ELASTOMERI ȘI PRODUSE
PE BAZĂ DE ELASTOMERI**

ISO 37:2024

Rubber, vulcanized or thermoplastic —
Determination of tensile stress-strain
properties

ISO 2004:2024

Natural rubber latex concentrate —
Centrifuged or creamed, ammonia-preserved
types — Specifications

ISO 6134:2024

Rubber hoses and hose assemblies for
saturated steam — Specification

ISO 6806:2024

Rubber hoses and hose assemblies for use
in oil burners — Specification

ISO 7270-2:2024

Rubber — Analysis by pyrolytic gas-
chromatographic methods — Part 2:
Determination of styrene/butadiene/isoprene
ratio

**ISO/TC 46 INFORMARE ȘI
DOCUMENTARE**

ISO 24138:2024

Information and documentation —
International Standard Content Code (ISCC)

**ISO/TC 48 STICLĂRIE DE LABORATOR
ȘI APARATE CONEXE**

ISO/TR 6037:2024

Automated liquid handling systems –
Uncertainty of the measurement procedures

ISO/TC 61 MATERIALE PLASTICE**ISO 6775:2024**

Plastics — Plastics identification using
Raman spectrometric methods

ISO 8065:2024

Composites and reinforcements fibres —
Mechanoluminescent visualization method of
crack propagation for joint evaluation

**ISO/TC 67 MATERIALE, ECHIPAMENT
ȘI STRUCTURI MARINE
PENTRU INDUSTRIILE
PETROLULUI ȘI GAZELOR
NATURALE****ISO 3845:2024**

Oil and gas industries including lower carbon
energy — Full ring ovalization test method for
the evaluation of the cracking resistance of
steel line pipe in sour service

ISO 13680:2024

Oil and gas industries including lower carbon
energy — Corrosion-resistant alloy seamless
products for use as casing, tubing, coupling
stock and accessory material — Technical
delivery conditions

ISO 16961:2024

Oil and gas industries including lower carbon
energy — Internal coating and lining of steel
storage tanks

**ISO/TC 71 BETON, BETON ARMAT ȘI
BETON PRECOMPRIMAT****ISO 16311-1:2024**

Maintenance and repair of concrete
structures — Part 1: General principles

ISO 22040-2:2024

Life cycle management of concrete structures
— Part 2: Structural planning and design
stage

ISO/TC 85 ENERGIE NUCLEARĂ**ISO 12183:2024**

Nuclear fuel technology — Controlled-
potential coulometric measurement of
plutonium

ISO 12749-3:2024

Nuclear energy, nuclear technologies, and
radiological protection — Vocabulary — Part
3: Nuclear installations, processes and
technologies

**ISO/TC 86 TEHNICA FRIGULUI ȘI
CLIMATIZARE****ISO 19967-2:2024**

Air to water heat pumps — Testing and rating
for performance — Part 2: Space heating
and/or space cooling

ISO/PAS 24499:2024

Method of test for burning velocity
measurement of A2L flammable gases

**ISO/TC 94 SECURITATEA PERSOANEI-
ÎMBRĂCĂMINTE ȘI
ECHIPAMENTE DE PROTECȚIE****ISO 17491-4:2024**

Protective clothing — Test methods for
clothing providing protection against
chemicals — Part 4: Determination of
resistance to penetration by a spray of liquid
(spray test)

**ISO/TC 102 MINEREU DE FIER ȘI
MINEREU DE FIER SARACIT****ISO/TS 9516-2:2024**

Iron ores — Determination of various
elements by X-ray fluorescence spectrometry
— Part 2: Single element calibration
procedure

ISO/TC 113 HIDROMETRIE**ISO 6640:2024**

Measurement of density of water-sediment
mixture using radiation transmission method

**ISO/TC 117 VENTILATOARE
INDUSTRIALE****ISO 12759-6:2024**

Fans — Efficiency classification for fans —
Part 6: Calculation of the fan energy index

ISO 24660:2024

Fans — Determination of airflow propelled
through an open personnel door by a positive
pressure ventilator

**ISO/TC 126 TUTUN ȘI PRODUSE DIN
TUTUN**

ISO 4906:2024

Tobacco and tobacco products — Determination of filling power for preparation of fine-cut smoking articles — Constant-weight pressurization

ISO 5501-1:2024

Tobacco heating systems — Definitions and standard conditions for aerosol generation and collection — Part 1: Electrically heated tobacco products (eHTPs)

ISO 5501-2:2024

Tobacco heating systems — Definitions and standard conditions for aerosol generation and collection — Part 2: Aerosol heated tobacco products (aHTPs)

ISO 5501-3:2024

Tobacco heating systems — Definitions and standard conditions for aerosol generation and collection — Part 3: Carbon heated tobacco products (cHTPs)

ISO 6080:2024

Tobacco heating systems — Vocabulary

ISO/TC 127 MAȘINI DE TERASAMENT

ISO 8643:2024

Earth-moving machinery — Hydraulic excavator and backhoe loader lowering control device — Requirements and tests

ISO/TC 130 TEHNOLOGIE GRAFICĂ

ISO/TS 18621-22:2024

Graphic technology — Image quality evaluation methods for printed matter — Part 22: Evaluation of colour graininess

**ISO/TC 135 EXAMINĂRI
NEDISTRUCTIVE**

ISO 18563-3:2024

Non-destructive testing — Characterization and verification of ultrasonic phased array equipment — Part 3: Complete systems

ISO 32543-1:2024

Non-destructive testing — Characteristics of focal spots in industrial X-ray systems — Part 1: Pinhole camera radiographic method

ISO/TC 136 MOBILIER

ISO 16502-1:2024

Furniture — Assessment of the ignitability of

mattresses and upholstered bed bases — Part 1: Ignition source: smouldering cigarette

ISO 16502-2:2024

Furniture — Assessment of the ignitability of mattresses and upholstered bed bases — Part 2: Ignition source: match flame equivalent

**ISO/TC 138 ȚEVI, FITINGURI ȘI
ROBINETE DE MATERIALE
PLASTICE PENTRU
TRANSPORTUL FLUIDELOR**

ISO 13265:2024

Thermoplastics piping systems for non-pressure underground drainage and sewerage — Joints for buried non-pressure applications — Test method for the long-term sealing performance of joints with elastomeric seals by estimating the sealing pressure

ISO/TC 145 SIMBOLURI GRAFICE

ISO 3864-3:2024

Graphical symbols — Safety colours and safety signs — Part 3: Design principles for graphical symbols for use in safety signs

ISO 7001:2023/Amd 101:2024

Graphical symbols — Registered public information symbols — Amendment 101: PI AC 023 Universal changing place

ISO 7010:2019/Amd 8:2024

Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 8

ISO 20712-3:2024

Water safety signs and beach safety flags — Part 3: Guidance for use

**ISO/TC 150 IMPLANTURI
CHIRURGICALE**

ISO 8637-1:2024

Extracorporeal systems for blood purification — Part 1: Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators

ISO 8637-3:2024

Extracorporeal systems for blood purification — Part 3: Plasmafilters

**ISO/TC 156 COROZIUNEA METALELOR
ȘI ALIAJELOR**

ISO 11782-2:1998/Amd 1:2024

Corrosion of metals and alloys — Corrosion fatigue testing — Part 2: Crack propagation testing using precracked specimens — Amendment 1

ISO/TC 159 ERGONOMIE**ISO 17097:2024**

3-D human body scan data — Methods for the processing of human body scan data

ISO/TC 172 OPTICĂ ȘI FOTONICĂ**ISO 6760-1:2024**

Optics and photonics — Test method for temperature coefficient of refractive index of optical glasses — Part 1: Minimum deviation method

ISO 6760-2:2024

Optics and photonics — Test method for temperature coefficient of refractive index of optical glasses — Part 2: Interferometric method

ISO 19012-4:2024

Microscopes — Designation of microscope objectives — Part 4: Polarization characteristics

ISO/TC 174 GIUVAERGERIE ȘI BIJUTERII**ISO 18214:2024**

Jewellery and precious metals — Determination of high purity gold, silver, platinum and palladium — Difference method using SPARK-OES

ISO/TC 188 NAVE MICI**ISO 8665-2:2024**

Small craft — Power measurements and declarations — Part 2: Electric marine propulsion

ISO/TC 190 CALITATEA SOLULUI**ISO 18187:2024**

Soil quality — Contact test for solid samples using the dehydrogenase activity of *Arthrobacter globiformis*

ISO/TC 192 TURBINE CU GAZ**ISO 3977-9:2024**

Gas turbines — Procurement — Part 9: Reliability, availability and maintainability

ISO/TC 197 TEHNOLOGII PENTRU HIDROGEN**ISO 19885-1:2024**

Gaseous hydrogen — Fuelling protocols for hydrogen-fuelled vehicles — Part 1: Design and development process for fuelling protocols

ISO/TC 204 SISTEME INTELIGENTE DE TRANSPORT**ISO 14823-1:2024**

Intelligent transport systems — Graphic data dictionary — Part 1: Specification

ISO/TC 212 LABORATOARE DE ANALIZE BIOLOGICE MEDICALE ȘI SISTEME DE DIAGNOSTICARE IN VITRO**ISO/TS 5441:2024**

Competence requirements for biorisk management advisors

ISO/TS 23824:2024

Medical laboratories — Guidance on application of ISO 15189 in anatomic pathology

ISO/TC 215 INFORMATICĂ MEDICALĂ**ISO 22287:2024**

Health informatics — Workforce roles and capabilities for terminology and terminology services in healthcare (term workforce)

ISO/TC 220 RECIPIENTE CRIOGENICE**ISO 21013-1:2021/Amd 1:2024**

Cryogenic vessels — Pressure-relief accessories for cryogenic service — Part 1: Reclosable pressure-relief valves — Amendment 1

ISO/TC 221 GEOSINTETICE**ISO/TR 18228-10:2024**

Design using geosynthetics — Part 10: Asphalt pavements

ISO/TC 238 BIOCMBUSTIBILI SOLIZI

ISO 17827-1:2024

Solid biofuels — Determination of particle size distribution for uncompressed fuels — Part 1: Oscillating screen method using sieves with apertures of 3,15 mm and above

ISO 17827-2:2024

Solid biofuels — Determination of particle size distribution for uncompressed fuels — Part 2: Vibrating screen method using sieves with apertures of 3,15 mm and below

ISO 17830:2024

Solid biofuels — Particle size distribution of disintegrated pellets

**ISO/TC 249 MEDICINĂ TRADIȚIONALĂ
CHINEZEASCĂ**

ISO 5076:2024

Traditional Chinese medicine — Angelica dahurica root

ISO 13619:2024

Traditional Chinese medicine — Gardenia jasminoides fruit

ISO/TC 261 FABRICAȚIA ADITIVĂ

ISO/ASTM 52928:2024

Additive manufacturing of metals—
Feedstock materials — Powder life cycle management

ISO/TC 269 APLICATII FERROVIARE

ISO/TR 8941:2024

Railway infrastructure — Rail mounted construction, maintenance and inspection machines — Explanation of machine type

**ISO/TC 281 TEHNOLOGIA BULELOR
FINE**

ISO 7428-1:2024

Fine bubble technology — Domestic applications — Part 1: Assessment of showerhead devices by evaluating size and concentration indices of generated fine bubbles

ISO/TC 295

ISO 5405:2024

Audit data collection extension — Government regulated financial reports and payroll

**ISO/TC 300 COMBUSTIBILI SOLIZI
RECUPERAȚI**

ISO 4349:2024

Solid recovered fuels — Determination of the recycling index for co-processing

**ISO/TC 304 ADMINISTRAREA
ASISTENȚEI MEDICALE**

ISO 6763:2024

Healthcare organization management — Pandemic response — Guidance on social distancing and source control

ISO/PAS 23617:2024

Healthcare organization management — Pandemic response (respiratory) — Guidance on medical support for socially vulnerable groups

ISO/TC 323

ISO 59004:2024

Circular economy — Vocabulary, principles and guidance for implementation

ISO 59010:2024

Circular economy — Guidance on the transition of business models and value networks

ISO 59020:2024

Circular economy — Measuring and assessing circularity performance

ISO/TR 59032:2024

Circular economy — Review of existing value networks

ISO/TC 334

ISO 33405:2024

Reference materials — Approaches for characterization and assessment of homogeneity and stability

ISO 33406:2024

Approaches for the production of reference materials with qualitative properties

ISO/PC 337

ISO 53800:2024

Guidelines for the promotion and implementation of gender equality and women's empowerment



**STANDARDE / DOCUMENTE DE STANDARDIZARE
INTERNAȚIONALE IEC APROBATE**

În perioada **2024.05.01 – 2024.05.31**

IEC/TC 2 MAȘINI ELECTRICE ROTATIVE

IEC 60034-12:2024

Rotating electrical machines - Part 12:
Starting performance of single-speed three-
phase cage induction motors

IEC 60136:2024

Dimensions, marking and testing of carbon
brushes and dimensions of brush-holders for
electrical machinery

**IEC/TC 8 ASPECTE ALE SISTEMULUI DE
FURNIZARE A ENERGIEI
ELECTRICE**

IEC TS 63222-3:2024

Power quality management - Part 3: User
characteristics modelling

IEC/TC 17 APARATAJ ELECTRIC

IEC TS 62271-5:2024

High-voltage switchgear and controlgear -
Part 5: Common specifications for direct
current switchgear and controlgear

IEC/TC 20 CABLURI ELECTRICE

IEC 60502-2:2014/A1:2024

Amendment 1 - Power cables with extruded
insulation and their accessories for rated
voltages from 1 kV ($U_m = 1,2$ kV) up to 30 kV
($U_m = 36$ kV) - Part 2: Cables for rated
voltages from 6 kV ($U_m = 7,2$ kV) up to 30 kV
($U_m = 36$ kV)

IEC 60502-2:2014+A1:2024 CSV

Power cables with extruded insulation and
their accessories for rated voltages from 1 kV
($U_m = 1,2$ kV) up to 30 kV ($U_m = 36$ kV) -
Part 2: Cables for rated voltages from 6 kV
($U_m = 7,2$ kV) up to 30 kV ($U_m = 36$ kV)

IEC/TC 23 ACCESORII ELECTRICE

IEC 60669-2-1:2021/C1:2024

Corrigendum 1 - Switches for household and
similar fixed electrical installations - Part 2-1:
Particular requirements - Electronic control
devices

IEC 61196-12:2024

Coaxial communication cables - Part 12:
Specification for spacer clamps for radiating
cables

**IEC/TC 31 ECHIPAMENTE PENTRU
ATMOSFERĂ EXPLOZIVĂ**

IEC 60079-11:2011/ISH7:2024

Interpretation Sheet 7 - Explosive
atmospheres - Part 11: Equipment protection
by intrinsic safety "i"

IEC 60079-11:2023/ISH1:2024

Interpretation Sheet 1 - Explosive
atmospheres - Part 11: Equipment protection
by intrinsic safety "i"

IEC 60079-11:2023/ISH2:2024

Interpretation Sheet 2 - Explosive
atmospheres - Part 11: Equipment protection
by intrinsic safety "i"

**IEC/TC 34 LĂMPI ȘI ECHIPAMENTUL
ASOCIAT**

IEC 61347-2-1:2024

Controlgear for electric light sources - Safety
- Part 2-1: Particular requirements - Starting
devices (other than glow starters)

IEC 61347-2-10:2024

Controlgear for electric light sources - Safety
- Part 2-10: Particular requirements -
Electronic controlgear for high-frequency
operation of tubular cold-cathode discharge
lamps (neon tubes)

IEC 61347-2-12:2024

Controlgear for electric light sources - Safety
- Part 2-12: Particular requirements - DC or
AC supplied electronic controlgear for
discharge lamps (excluding fluorescent
lamps)

IEC 61347-2-3:2024

Controlgear for electric light sources - Safety
- Part 2-3: Particular requirements - AC or DC
supplied electronic controlgear for fluorescent
lamps

IEC 61347-2-8:2024

Controlgear for electric light sources - Safety - Part 2-8: Particular requirements - Ballasts for fluorescent lamps

IEC/TC 36 IZOLATOARE ELECTRICE

IEC 62896:2024

Hybrid insulators for AC and DC for high-voltage applications greater than 1 000 V AC and 1 500 V DC - Definitions, test methods and acceptance criteria

IEC/TC 46 CABLURI, CONDUCTOARE, GHIDURI DE UNDĂ, CONECTOARE DE RADIOFRECVENȚĂ, COMPONENTE ȘI ACCESORII PASIVE PENTRU MICROUNDE ȘI RADIOFRECVENȚĂ

IEC 62153-4-15:2021/A1:2024

Amendment 1 - Metallic cables and other passive components test methods - Part 4-15: Electromagnetic compatibility (EMC) related test method for measuring transfer impedance and screening attenuation or coupling attenuation with triaxial cell

IEC 62153-4-15:2021+A1:2024 CSV

Metallic cables and other passive components test methods - Part 4-15: Electromagnetic compatibility (EMC) - Test method for measuring transfer impedance and screening attenuation - or coupling attenuation with triaxial cell

IEC 62153-4-3:2013/A1:2024

Amendment 1 - Metallic communication cable test methods - Part 4-3: Electromagnetic compatibility (EMC) related test method for measuring surface transfer impedance - Triaxial method

IEC 62153-4-3:2013+A1:2024 CSV

Metallic communication cable test methods - Part 4-3: Electromagnetic compatibility (EMC) - Surface transfer impedance - Triaxial method

IEC/TC 51 COMPONENTE MAGNETICE ȘI FERITE

IEC 63093-13:2019/C1:2024

Corrigendum 1 - Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 13: PQ-cores

IEC/TC 55 CONDUCTOARE DE BOBINAJ

IEC 60317-12:2020/A1:2024

Amendment 1 - Specifications for particular types of winding wires - Part 12: Polyvinyl acetal enamelled round copper wire, class 120

IEC 60317-12:2020+A1:2024 CSV

Specifications for particular types of winding wires - Part 12: Polyvinyl acetal enamelled round copper wire, class 120

IEC 60317-27-2:2020/A1:2024

Amendment 1 - Specifications for particular types of winding wires - Part 27-2: Paper tape covered round aluminium wire

IEC 60317-27-2:2020+A1:2024 CSV

Specifications for particular types of winding wires - Part 27-2: Paper tape covered round aluminium wire

IEC/TC 65 MĂSURĂ ȘI COMANDĂ ÎN PROCESELE INDUSTRIALE

IEC 61406-2:2024

Identification link - Part 2: Types/models, lots/batches, items and characteristics

IEC/TC 79 SISTEME DE ALARMĂ ȘI SECURITATE ELECTRONICĂ

IEC 62676-2-11:2024

Video Surveillance Systems (VSS) for use in security applications - Part 2-11: Video transmission protocols - Interop profiles for VMS and cloud VSaaS systems for safe cities and law enforcement

IEC/TC 80 SISTEME ȘI ECHIPAMENTE DE RADIOCOMUNICAȚII ȘI NAVIGAȚIE MARITIMĂ

IEC 61108-7:2024

Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 7: Satellite based augmentation system (SBAS) L1 - Receiver equipment - Performance standards, methods of testing and required test results

IEC/TC 86 FIBRE OPTICE

IEC 60794-1-101:2024

Optical fibre cables - Part 1-101: Generic

specification - Basic optical cable test procedures - Mechanical tests methods - Tensile, method E1

IEC 60794-1-104:2024

Optical fibre cables - Part 1-104: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Impact, method E4

IEC 60794-1-201:2024

Optical fibre cables - Part 1-201: Generic specification - Basic optical cable test procedures - Environmental test methods - Temperature cycling, method F1

IEC 60794-1-209:2024

Optical fibre cables - Part 1-209: Generic specification - Basic optical cable test procedures - Environmental test methods - Ageing, method F9

IEC 60794-1-213:2024

Optical fibre cables - Part 1-213: Generic specification - Basic optical cable test procedures - Environmental test methods - Microduct pressure withstand, method F13

IEC 61280-4-2:2024

Fibre-optic communication subsystem test procedures - Part 4-2: Installed cabling plant - Single-mode attenuation and optical return loss measurements

IEC 61300-2-27:2024

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-27: Tests - Dust (laminar flow)

IEC 61300-2-34:2024

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-34: Tests - Resistance to solvents and contaminating fluids

IEC 61754-13:2024

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 13: Type FC-PC connector family

IEC/TC 90 SUPRACONDUCTIVITATE

IEC 61788-23:2024

Superconductivity - Part 23: Residual resistance ratio measurement - Residual

resistance ratio of cavity-grade Nb superconductors

IEC/TC 101 ELECTROSTATICĂ

IEC 61340-5-1:2024

Electrostatics - Part 5-1: Protection of electronic devices from electrostatic phenomena - General requirements

IEC/TC 104 CONDIȚII DE MEDIU, CLASIFICARE ȘI METODE DE ÎNCERCARE

IEC 60721-3-2:2018/C3:2024

Corrigendum 3 - Classification of environmental conditions - Part 3-2: Classification of groups of environmental parameters and their severities - Transportation and handling

IEC/TC 107 CONDUCEREA PROCESELOR PENTRU AERONAVE

IEC TR 62500:2024

Process management for avionics - Highly severe stress tests for operating margins identification and robustness improvement of avionics equipment - Application guidelines

IEC/TC 112 EVALUAREA ȘI CALIFICAREA MATERIALELOR IZOLATOARE ELECTRICE ȘI A SISTEMELOR

IEC 63177:2024

Test methods for compatibility of construction materials with electrical insulating liquids

IEC/TC 117 CENTRALE ELECTRICE TERMICE SOLARE

IEC 62862-1-6:2024

Solar thermal electric plants - Part 1-6: Silicone-based heat transfer fluids for use in line-focus concentrated solar power applications

IEC/TC 119 ELECTRONICE IMPRIMATE

IEC 62899-203:2024

Printed electronics - Part 203: Materials - Semiconductor ink

IEC/TC 120

IEC 62933-1:2024

Electrical energy storage (EES) systems -
Part 1: Vocabulary

IEC 63281-3-2:2024

E-Transporters - Part 3-2: Performance test
methods for mobility of cargo e-Transporters

IEC/TC 125

În perioada **2024.05.01 – 2024.05.31**

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/IEC JTC 1 TEHNOLOGIA
INFORMAȚIEI****ISO/IEC 9594-1:2020/DAmD 1**

Information technology — Open systems interconnection — Part 1: The Directory: Overview of concepts, models and services — Amendment 1
dea: 2024-08-21

ISO/IEC 9594-3:2020/DAmD 1

Information technology — Open systems interconnection — Part 3: The Directory: Abstract service definition — Amendment 1
dea: 2024-08-21

ISO/IEC 9594-4:2020/DAmD 1

Information technology — Open systems interconnection — Part 4: The Directory: Procedures for distributed operation — Amendment 1
dea: 2024-08-21

ISO/IEC 9594-5:2020/DAmD 1

Information technology — Open systems interconnection — Part 5: The Directory: Protocol specifications — Amendment 1
dea: 2024-08-21

ISO/IEC 9594-6:2020/DAmD 1

Information technology — Open systems interconnection — Part 6: The Directory: Selected attribute types — Amendment 1
dea: 2024-08-21

ISO/IEC 9594-7:2020/DAmD 1

Information technology — Open systems interconnection — Part 7: The Directory: Selected object classes — Amendment 1
dea: 2024-08-21

ISO/IEC 9594-8:2020/DAmD 1

Information technology — Open systems interconnection — Part 8: The Directory: Public-key and attribute certificate frameworks — Amendment 1
dea: 2024-08-21

ISO/IEC 9594-9:2020/DAmD 1

Information technology — Open systems interconnection — Part 9: The Directory: Replication — Amendment 1
dea: 2024-08-21

ISO/IEC DIS 23003-4

Information technology — MPEG audio technologies — Part 4: Dynamic range control
dea: 2024-07-30

ISO/IEC DIS 23090-32

Information technology — Coded representation of immersive media — Part 32: Carriage of haptics data
dea: 2024-08-13

ISO/IEC DIS 23090-5

Information technology — Coded representation of immersive media — Part 5: Visual volumetric video-based coding (V3C) and video-based point cloud compression (V-PCC)
dea: 2024-08-02

ISO/IEC DIS 23092-3

Information technology — Genomic information representation — Part 3: Metadata and application programming interfaces (APIs)
dea: 2024-07-30

ISO/IEC DIS 26131

Information technology — OpenID connect — OpenID connect core 1.0 incorporating errata set 2
dea: 2024-07-31

ISO/IEC DIS 26132

Information technology — OpenID connect — OpenID connect discovery 1.0 incorporating errata set 2
dea: 2024-07-31

ISO/IEC DIS 26133

Information technology — OpenID connect — OpenID connect dynamic client registration

1.0 incorporating errata set 2
dea: 2024-07-31

ISO/IEC DIS 26134

Information technology — OpenID connect —
OpenID connect RP-initiated logout 1.0
dea: 2024-07-31

ISO/IEC DIS 26135

Information technology — OpenID connect —
OpenID connect session management 1.0
dea: 2024-07-31

ISO/IEC DIS 26136

Information technology — OpenID connect —
OpenID connect front-channel logout 1.0
dea: 2024-07-31

ISO/IEC DIS 26137

Information technology — OpenID connect —
OpenID connect back-channel logout 1.0
incorporating errata set 1
dea: 2024-07-31

ISO/IEC DIS 26138

Information technology — OpenID connect —
OAuth 2.0 multiple response type encoding
practices
dea: 2024-07-31

ISO/IEC DIS 26139

Information technology — OpenID connect —
OAuth 2.0 form post response mode
dea: 2024-07-31

ISO/IEC DIS 29158

Automatic identification and data capture
techniques — Bar code symbol quality test
specification — Direct Part Mark (DPM)
dea: 2024-07-29

**ISO/TC 8 NAVE ȘI TEHNOLOGIE
MARITIMĂ**

ISO/DIS 18821

Ships and marine technology — Marine
combined connecting mooring line
dea: 2024-07-30

**ISO/TC 10 DOCUMENTAȚIE TEHNICĂ
DE PRODUS**

ISO/IEEE DIS 82079-2

Preparation of information for use
(instructions for use) of products — Part 2:
Assembly of self-assembly products
dea: 2024-08-13

ISO/TC 20 AERONAUTICĂ ȘI SPAȚIU

ISO/DIS 14620-4

Space systems — Safety requirements —
Part 4: Spacecraft assembly, integration, and
test
dea: 2024-08-13

ISO/DIS 14622

Space systems — Structural design — Loads
and induced environment
dea: 2024-08-19

ISO/DIS 20892

Space systems — Launch complexes
modernization process — General
requirements
dea: 2024-08-19

ISO/TC 22 VEHICULE RUTIERE

ISO/DIS 5011

Inlet air cleaning equipment for internal
combustion engines and compressors —
Performance testing
dea: 2024-08-06

ISO/DIS 6518-1

Road vehicles — Ignition systems — Part 1:
Vocabulary
dea: 2024-08-15

ISO/DIS 11451-2

Road vehicles — Vehicle test methods for
electrical disturbances from narrowband
radiated electromagnetic energy — Part 2:
Off-vehicle radiation sources
dea: 2024-08-12

ISO/DIS 17987-1

Road vehicles — Local Interconnect Network
(LIN) — Part 1: General information and use
case definition
dea: 2024-08-19

ISO/DIS 17987-2

Road vehicles — Local Interconnect Network
(LIN) — Part 2: Transport protocol and
network layer services
dea: 2024-08-20

ISO/DIS 17987-3

Road vehicles — Local Interconnect Network
(LIN) — Part 3: Protocol specification
dea: 2024-08-21

ISO/DIS 17987-4

Road vehicles — Local Interconnect Network

(LIN) — Part 4: Electrical physical layer (EPL) specification 12 V/24 V
dea: 2024-08-21

ISO/DIS 19206-5

Road vehicles — Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions — Part 5: Requirements for Powered Two-Wheeler targets
dea: 2024-08-01

ISO/TC 23 TRACTOARE ȘI MATERIALE AGRICOLE ȘI FORESTIERE

ISO/DIS 11680

Machinery for forestry — Safety requirements and testing for portable pole mounted powered pruners
dea: 2024-07-25

ISO/DIS 21120

Machinery for forestry — Forestry mulching equipment — Vocabulary and commercial specifications
dea: 2024-08-05

ISO/DIS 24631-1

Radiofrequency identification of animals — Part 1: Evaluation of conformance of RFID transponders with ISO 11784 and ISO 11785 (including granting and use of a manufacturer code)
dea: 2024-07-30

ISO/TC 24 SITE, CERNERE ȘI ALTE METODE DE SEPARARE GRANULOMETRICĂ

ISO/DIS 22412

Particle size analysis — Dynamic light scattering (DLS)
dea: 2024-07-30

ISO/TC 27 COMBUSTIBILI MINERALI SOLIZI

ISO/DIS 157

Coal — Determination of forms of sulfur
dea: 2024-08-05

ISO/DIS 501

Hard coal — Determination of the crucible swelling number
dea: 2024-07-25

ISO/DIS 502

Coal — Assessment of caking power —

Gray-King coke test
dea: 2024-07-26

ISO/DIS 602

Coal — Determination of mineral matter
dea: 2024-08-01

ISO/DIS 609

Coal and coke — Determination of carbon and hydrogen — High temperature combustion method
dea: 2024-08-05

ISO/DIS 622

Coal and coke — Determination of phosphorus — Reduced molybdophosphate photometric method
dea: 2024-08-01

ISO/DIS 625

Coal and coke — Determination of carbon and hydrogen — Liebig method
dea: 2024-08-05

ISO/DIS 1017

Brown coals and lignites — Determination of acetone-soluble material ("resinous substance") in the benzene-soluble extract
dea: 2024-07-24

ISO/DIS 1952

Coal — Determination of extractable metals in dilute hydrochloric acid
dea: 2024-08-01

ISO/DIS 5068-1

Brown coals and lignites — Determination of moisture — Part 1: Indirect gravimetric method for total moisture
dea: 2024-07-31

ISO/DIS 5068-2

Brown coals and lignites — Determination of moisture — Part 2: Indirect gravimetric method for moisture in the analysis sample
dea: 2024-07-31

ISO/DIS 10329

Coal — Determination of plastic properties — Constant-torque Gieseler plastometer method
dea: 2024-07-26

ISO/DIS 11723

Coal and coke — Determination of arsenic and selenium — Eschka's mixture and hydride generation method
dea: 2024-08-01

ISO/DIS 15237

Coal — Determination of total mercury
dea: 2024-07-31

ISO/DIS 15238

Coal — Determination of total cadmium
dea: 2024-08-01

**ISO/TC 28 PRODUSE PETROLIERE ȘI
LUBRIFIANȚI**

ISO/DIS 6578

Refrigerated hydrocarbon liquids — Static
measurement — Calculation procedure
dea: 2024-07-29

ISO/TC 33 MATERIALE REFRACTARE

ISO/DIS 5014

Dense and insulating shaped refractory
products — Determination of modulus of
rupture at ambient temperature
dea: 2024-08-07

ISO/DIS 10059-1

Dense shaped refractory products —
Determination of cold compressive strength
— Part 1: Referee test without packing
dea: 2024-08-05

ISO/TC 34 PRODUSE ALIMENTARE

ISO/DIS 8700

Plant-based foods and food ingredients —
Definitions and technical criteria for labelling
and claims
dea: 2024-08-22

ISO/TC 35 VOPSELE ȘI LACURI

ISO/DIS 11126-11

Preparation of steel substrates before
application of paints and related products —
Specifications for non-metallic blast-cleaning
abrasives — Part 11: Volcanic lava
dea: 2024-08-22

ISO/DIS 16276-1

Corrosion protection of steel structures by
protective paint systems — Assessment of,
and acceptance criteria for, the
adhesion/cohesion (fracture strength) of a
coating — Part 1: Pull-off testing
dea: 2024-08-08

ISO/DIS 16276-2

Corrosion protection of steel structures by
protective paint systems — Assessment of,
202

and acceptance criteria for, the
adhesion/cohesion (fracture strength) of a
coating — Part 2: Cross-cut testing and X-cut
testing
dea: 2024-08-07

ISO/TC 38 TEXTILE

ISO/DIS 6956

Textiles — Water resistant clothing —
Determination of protection characteristic
against rainfall using a motion-manikin
dea: 2024-08-22

ISO/DIS 16847

Textiles — Test method for assessing the
matting appearance of napped fabrics after
cleansing
dea: 2024-08-22

ISO/DIS 23231

Textiles — Determination of dimensional
change of fabrics — Accelerated machine
method
dea: 2024-08-22

**ISO/TC 44 SUDARE ȘI PROCEDEE
CONEXE**

ISO/DIS 14732.2

Welding personnel — Qualification testing of
welding operators and weld setters for
mechanized and automatic welding of
metallic materials
dea: 2024-07-11

ISO/DIS 19828

Welding for aerospace applications — Visual
inspection of welds
dea: 2024-08-14

**ISO/TC 45 ELASTOMERI ȘI PRODUSE
PE BAZĂ DE ELASTOMERI**

ISO/DIS 6502-1

Rubber — Measurement of vulcanization
characteristics using curemeters — Part 1:
Introduction
dea: 2024-08-22

**ISO/TC 46 INFORMARE ȘI
DOCUMENTARE**

ISO/DIS 26324

Information and documentation — Digital
object identifier system
dea: 2024-08-07

ISO/TC 54 ULEIURI ESENȚIALE**ISO/DIS 4730**

Essential oil of Melaleuca, terpinen-4-ol type
(Tea Tree oil)
dea: 2024-07-31

ISO/DIS 24608

Essential oil of Lavandin super (Lavandula x
intermedia Emeric ex Loisel. 'super')
dea: 2024-08-01

ISO/TC 58 BUTELII PENTRU GAZ**ISO/DIS 9809-4**

Gas cylinders — Design, construction and
testing of refillable seamless steel gas
cylinders and tubes — Part 4: Stainless steel
cylinders with an R m value of less than 1
100 MPa
dea: 2024-07-30

ISO/DIS 19078

Gas cylinders — Inspection of the cylinder
installation, and requalification of high
pressure cylinders for the on-board storage of
natural gas as a fuel for automotive vehicles
dea: 2024-08-06

ISO/TC 61 MATERIALE PLASTICE**ISO/DIS 4504**

Plastics — Polyethylene (PE) —
Determination of co-monomer content by
solution state ¹³C-NMR spectrometry
dea: 2024-08-05

ISO/DIS 8606

Fibre-reinforced plastics — Bulk moulding
compound (BMC) and dough moulding
compound (DMC) — Requirements and
specifications
dea: 2024-08-19

ISO/DIS 18177

Plastics — Test method for estimation of the
short chain branching distribution of
semicrystalline ethylene 1-olefin copolymers
by differential scanning calorimetry (DSC)
dea: 2024-08-08

ISO/DIS 19375

Fibre-reinforced composites — Measurement
of interfacial shear strength by means of a
micromechanical single-fibre pull-out test
dea: 2024-08-20

**ISO/TC 67 MATERIALE, ECHIPAMENT
ȘI STRUCTURI MARINE
PENTRU INDUSTRIILE
PETROLULUI ȘI GAZELOR
NATURALE****ISO/DIS 13503-8**

Oil and gas industries including lower carbon
energy — Completion fluids and materials —
Part 8: Measurement of properties of coated
proppants used in hydraulic fracturing
dea: 2024-08-12

**ISO/TC 86 TEHNICA FRIGULUI ȘI
CLIMATIZARE****ISO 16358-1:2013/DAmD 2**

Air-cooled air conditioners and air-to-air heat
pumps — Testing and calculating methods
for seasonal performance factors — Part 1:
Cooling seasonal performance factor —
Amendment 2
dea: 2024-08-15

**ISO/TC 94 SECURITATEA PERSOANEI-
ÎMBRĂCĂMINTE ȘI
ECHIPAMENTE DE PROTECȚIE****ISO/DIS 11999-10**

PPE for firefighters — Test methods and
requirements for PPE used by firefighters
who are at risk of exposure to high levels of
heat and/or flame while fighting fires in
structures — Part 10: RPD
dea: 2024-08-06

ISO/TC 106 STOMATOLOGIE**ISO/DIS 18618**

Dentistry — Interoperability of CAD/CAM
systems
dea: 2024-08-13

ISO/DIS 21850-2

Dentistry — Materials for dental instruments
— Part 2: Polymers
dea: 2024-08-12

**ISO/TC 107 ACOPERIRI METALICE ȘI
ALTE ACOPERIRI
ANORGANICE****ISO/DIS 12994**

Electrodeposited nickel plus chromium
coatings for automobile plastic parts-
specification and test requirements
dea: 2024-08-14

ISO/DIS 23100

Decorative PVD coatings on kitchen and sanitary ware fittings — Specification and Test methods
dea: 2024-08-06

ISO/DIS 24251-1

Prevention of hydrogen assisted brittle fracture of high-strength steel components — Part 1: Fundamentals and measures
dea: 2024-08-06

ISO/TC 110 CĂRUCIOARE DE MANIPULARE

ISO/DIS 10896-2

Rough-terrain trucks — Safety requirements and verification — Part 2: Slewing trucks
dea: 2024-08-05

ISO/TC 127 MAȘINI DE TERASAMENT

ISO/DIS 7334

Earth-moving machinery — Taxonomy and vocabulary for automation and autonomy
dea: 2024-08-22

ISO/TC 131 SISTEME HIDRAULICE ȘI PNEUMETICE

ISO/DIS 4407

Hydraulic fluid power — Fluid contamination — Determination of particulate contamination by the counting method using an optical microscope
dea: 2024-08-23

ISO/TC 135 EXAMINĂRI NEDISTRUCTIVE

ISO/DIS 16831

Non-destructive testing — Ultrasonic testing — Characterization and verification of ultrasonic equipment for the determination of thickness
dea: 2024-07-25

ISO/TC 145 SIMBOLURI GRAFICE

ISO 7010:2019/DAmD 137

Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 137: Safety sign M070: Use lamp in luminaire with shield
dea: 2024-08-09

ISO 7010:2019/DAmD 138

Graphical symbols — Safety colours and
204

safety signs — Registered safety signs — Amendment 138: Safety sign M071: Use anti-tip restraints
dea: 2024-08-09

ISO 7010:2019/DAmD 139

Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 139: Safety sign P081: Do not cover appliance
dea: 2024-08-09

ISO 7010:2019/DAmD 140

Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 140: Safety sign W087: Warning; High sound volume levels
dea: 2024-08-09

ISO 7010:2019/DAmD 141

Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 141: Safety sign W088: Warning; Moving blades
dea: 2024-08-09

ISO 7010:2019/DAmD 142

Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 142: Safety sign W089: Warning; Moving gears
dea: 2024-08-09

ISO/TC 147 CALITATEA APEI

ISO/DIS 7899-3

Water quality — Enumeration of intestinal enterococci — Part 3: Most probable number method
dea: 2024-08-16

ISO/TC 150 IMPLANTURI CHIRURGICALE

ISO/DIS 16436-1

Implants for surgery — Wear of total shoulder-joint prostheses — Part 1: Force and displacement parameters for wear-testing machines and corresponding environmental conditions for test of anatomic total shoulder-joint prostheses
dea: 2024-07-25

ISO/TC 153 ROBINETĂRIE

ISO/DIS 12101

Industrial valves — Measurement, test and qualification procedures for fugitive emissions

— Classification system and qualification procedures for type testing of stem seals for valves

dea: 2024-08-15

**ISO/TC 163 PERFORMANȚA TERMICĂ
ȘI UTILIZAREA ENERGIEI
TERMICE ÎN CLĂDIRI**

ISO 12572:2016/DAMd 1

Hygrothermal performance of building materials and products — Determination of water vapour transmission properties — Cup method — Amendment 1

dea: 2024-07-31

ISO/TC 172 OPTICĂ ȘI FOTONICĂ

ISO/DIS 8600-1

Endoscopes — Medical endoscopes and endotherapy devices — Part 1: General requirements

dea: 2024-08-08

ISO/DIS 9335

Optics and photonics — Optical transfer function — Principles and procedures of measurement

dea: 2024-08-12

ISO/DIS 21254-1

Lasers and laser-related equipment — Test methods for laser-induced damage threshold — Part 1: Definitions and general principles

dea: 2024-07-29

**ISO/TC 178 ASCENSOARE, SCĂRI
RULANTE, TROTUARE
RULANTE**

ISO/DIS 8100-7

Lifts for the transport of persons and goods — Part 7: Accessibility to lifts for persons including persons with disability

dea: 2024-08-05

**ISO/TC 184 SISTEME DE
AUTOMATIZARI INDUSTRIALE
ȘI STRUCTURI DE INTEGRARE**

ISO/DIS 10303-242

Industrial automation systems and integration — Product data representation and exchange — Part 242: Application protocol: Managed model-based 3D engineering

dea: 2024-07-26

**ISO/TC 194 EVALUARE BIOLOGICĂ A
DISPOZITIVELOR MEDICALE**

ISO/DIS 10993-6

Biological evaluation of medical devices — Part 6: Tests for local effects after implantation

dea: 2024-08-13

**ISO/TC 197 TEHNOLOGII PENTRU
HIDROGEN**

ISO/DIS 22734-1

Hydrogen generators using water electrolysis — Part 1: General requirements, test protocols and safety requirements

dea: 2024-07-24

**ISO/TC 204 SISTEME INTELIGENTE DE
TRANSPORT**

ISO/DIS 12855

Electronic fee collection — Information exchange between service provision and toll charging

dea: 2024-07-30

ISO/TC 207 MANAGEMENTUL MEDIULUI

ISO 14064-1:2018/DAMd 1

Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals — Amendment 1

dea: 2024-07-25

**ISO/TC 210 MANAGEMENTUL CALITĂȚII
ȘI ASPECTE GENERALE
REFERITOARE LA
DISPOZITIVELE MEDICALE**

ISO 15223-1:2021/DAMd 1

Medical devices — Symbols to be used with information to be supplied by the manufacturer — Part 1: General requirements — Amendment 1: Addition of defined term for authorized representative and Modified EC REP symbol to not be country or region specific

dea: 2024-08-15

ISO/TC 211 INFORMAȚII GEOGRAFICE

ISO/DIS 19152-4

Geographic information — Land Administration Domain Model (LADM) — Part

4: Valuation information

dea: 2024-08-05

ISO/TC 238 BIOCOMBUSTIBILI SOLIZI

ISO/DIS 17831-1

Solid biofuels — Determination of mechanical durability of pellets and briquettes — Part 1: Pellets

dea: 2024-08-14

ISO/DIS 17831-2

Solid biofuels — Determination of mechanical durability of pellets and briquettes — Part 2: Briquettes

dea: 2024-08-16

ISO/TC 268 DEZVOLTAREA DURABILĂ ÎN COMUNITĂȚI

ISO/DIS 37114

Sustainable cities and communities — Appraisal framework for datasets and data processing methods that create urban

management information

dea: 2024-08-14

ISO/TC 272 CRIMINALISTICĂ

ISO/DIS 21043-1

Forensic sciences — Part 1: Terms and definitions

dea: 2024-07-26

ISO/DIS 21043-3

Forensic Sciences — Part 3: Analysis

dea: 2024-07-25

ISO/DIS 21043-4

Forensic Sciences — Part 4: Interpretation

dea: 2024-07-25

ISO/DIS 21043-5

Forensic Sciences — Part 5: Reporting

dea: 2024-07-25



În perioada **2024.05.01 – 2024.05.31**

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/IEC 14763-5 ED1

Information technology ? Implementation and operation of customer premises cabling ? Part 5 Sustainability
 dea: 2024-08-16

ISO/IEC 30129/AMD2 ED1

Amendment 2 - Information technology - Telecommunications bonding networks for buildings and other structures
 dea: 2024-08-16

IEC/TC 3 STRUCTURI DE INFORMARE, DOCUMENTAȚIE ȘI SIMBOLURI GRAFICE

ISO 82079-2 ED1

Preparation of information for use (instructions for use) of products ? Part 2: Additional guidance for instructions for assembly of self-assembly products
 dea: 2024-08-09

IEC/TC 17 APARATAJ ELECTRIC

IEC 62271-208 ED1

High-voltage switchgear and controlgear - Part 208: Methods to quantify the steady state, power-frequency electromagnetic fields generated by HV switchgear assemblies and HV/LV prefabricated substations, both for rated voltages above 1 kV and up to and including 52 kV
 dea: 2024-07-26

IEC/TC 18 INSTALAȚIILE ELECTRICE ALE NAVELOR ȘI ALE UNITĂȚILOR MOBILE ȘI FIXE DE PE MARE

IEC 60092-352 ED4

Electrical installations in ships - Part 352: Choice and installation of electrical cables
 dea: 2024-08-02

IEC 60092-376 ED4

Electrical installations in ships - Part 376: Cables for control and instrumentation

circuits 150/250 V (300 V)
 dea: 2024-07-26

IEC 60092-501 ED6

Electrical installations in ships - Part 501: Special features - Electric propulsion plant
 dea: 2024-08-02

IEC/TC 21 ELEMENTE GALVANICE SECUNDARE ȘI ACUMULATOARE

IEC 62902 ED2

Secondary cells and batteries - Marking symbols for identification of their chemistry
 dea: 2024-07-26

IEC/TC 22 SISTEME ȘI ECHIPAMENTE PENTRU ELECTRONICA DE PUTERE

IEC 62909-1 ED2

Bi-directional grid connected power converters - Part 1: General and safety requirements
 dea: 2024-08-23

IEC/TC 23 ACCESORII ELECTRICE

IEC 60884-3-2 ED1

Plugs and socket-outlets for household and similar purposes - Particular requirements for accessories incorporating electronic components to perform additional functions
 dea: 2024-07-26

IEC/TC 31 ECHIPAMENTE PENTRU ATMOSFERĂ EXPLOZIVĂ

IEC 60079-25/AMD1 ED3

Amendment 1 - Explosive atmospheres - Part 25: Intrinsically safe electrical systems
 dea: 2024-08-09

IEC/IEEE 60079-30-1 ED2

Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing

requirements
dea: 2024-08-09

IEC/IEEE 60079-30-2 ED2

Explosive atmospheres - Part 30-2: Electrical resistance trace heating - Application guide for design, installation and maintenance
dea: 2024-08-09

IEC/TC 34 LĂMPI ȘI ECHIPAMENTUL ASOCIAT

IEC 62554/AMD2 ED1

Amendment 2 - Sample preparation for measurement of mercury level in fluorescent lamps and low-pressure mercury UV radiation sources
dea: 2024-08-02

IEC/TC 36 IZOLATOARE ELECTRICE

IEC/IEEE 65700-19-03 ED2

Bushings for DC application
dea: 2024-08-16

IEC/TC 46 CABLURI, CONDUCTOARE, GHIDURI DE UNDĂ, CONECTOARE DE RADIOFRECVENȚĂ, COMPONENTE ȘI ACCESORII PASIVE PENTRU MICROUNDĂ ȘI RADIOFRECVENȚĂ

IEC 61196-1-108 ED3

Coaxial communication cables - Part 1-108: Electrical test methods - Test for phase , phase constant, phase and group delay, propagation velocity, electrical length , and mean characteristic impedance
dea: 2024-08-02

IEC 61196-1-112 ED2

Coaxial communication cables - Part 1-112: Electrical test methods - Test for return loss and voltage standing wave ratio(VSWR)
dea: 2024-08-16

IEC 63185 ED2

Measurement of the complex permittivity for low-loss dielectric substrates balanced-type circular disk resonator method
dea: 2024-08-16

IEC/TC 51 COMPONENTE MAGNETICE ȘI FERITE

IEC 60205 ED5

Calculation of the effective parameters of
208

magnetic piece parts
dea: 2024-07-05

IEC/TC 62 ECHIPAMENTE ELECTROMEDICALE

IEC 61675-2 ED3

Radionuclide imaging devices - Characteristics and test conditions - Part 2: Gamma cameras for planar, wholebody, and SPECT imaging
dea: 2024-08-23

IEC/TC 69 VEHICULE ELECTRICE RUTIERE ȘI CĂRUCIOARE ELECTRICE DE MANIPULARE

IEC 62840-1 ED1

Electric vehicle battery swap system - Part 1: General and guidance
dea: 2024-08-02

IEC 62840-2 ED2

Electric vehicle battery swap system - Part 2: Safety requirements
dea: 2024-08-09

IEC 63380-2 ED1

Charging station management systems and Local Energy Management Systems network connectivity and information exchange - Part 2 Specific Data Model Mapping
dea: 2024-08-02

IEC 63380-3 ED1

Local Charging station management systems and Local Energy Management Systems network connectivity and information exchange - Part 3 Communication Protocol and Cybersecurity Specific Aspects
dea: 2024-08-02

IEC/TC 72 COMENZI AUTOMATE PENTRU APARATE DE UZ CASNIC

IEC 60730-2-23 ED1

Automatic electrical controls - Part 2-23: Particular requirements for electrical sensors and sensor elements
dea: 2024-08-02

IEC/TC 77 COMPATIBILITATE ELECTROMAGNETICĂ

IEC 61000-4-2 ED3

Electromagnetic compatibility (EMC) - Part 4-

2: Testing and measurement techniques -
Electrostatic discharge immunity test
dea: 2024-07-26

**IEC/TC 80 SISTEME ȘI ECHIPAMENTE
DE RADIOCOMUNICAȚII ȘI
NAVIGAȚIE MARITIMĂ**

IEC 62288/AMD1 ED3

Amendment 1 - Maritime navigation and
radiocommunication equipment and systems
- Presentation of navigation-related
information on shipborne navigational
displays - General requirements, methods of
testing and required test results
dea: 2024-08-16

**IEC/TC 85 ECHIPAMENTE DE
MĂSURARE A MĂRIMILOR
ELECTRICE ȘI
ELECTROMAGNETICE
FUNDAMENTALE**

IEC 61554 ED2

Panel mounted equipment - Electrical
measuring instruments - Dimensions for
panel mounting
dea: 2024-07-26

IEC/TC 86 FIBRE OPTICE

IEC 60794-1-205 ED1

Optical fibre cables - Part 1-205: Generic
specification - Basic optical cable test
procedures - Environmental test methods ?
Water penetration, Method F5
dea: 2024-08-23

IEC 60794-1-214 ED1

Optical fibre cables - Part 1-214: Generic
specification - Basic optical cable test
procedures - Environmental test methods -
Cable UV resistance test, Method F14
dea: 2024-08-23

IEC 60794-1-302 ED1

Optical fibre cables - Part 1-302: Generic
specification - Basic optical cable test
procedures - Cable element test methods -
Ribbon dimensions and geometry ? Visual
method, Method G2
dea: 2024-08-02

IEC 61753-022-13 ED1

Fibre optic interconnecting devices and
passive components - Performance standard
- Part 022-13: Multimode fibre optic
connectors terminated as pigtailed and

patchcords for category OP+ ^{HD}- Extended
outdoor protected environment with additional
heat dissipation
dea: 2024-08-09

IEC 62148-2/AMD1 ED2

Amendment 1 - Fibre optic active
components and devices - Package and
interface standards - Part 2: SFF 10-pin
transceivers
dea: 2024-08-16

IEC 62496-4-3 ED1

Optical circuit boards ? Part 4-3: Interface
standards ? Terminated waveguide OCB
assembly using a single-row 32-channel PMT
connector intermateable with a 250-?m pitch
MPO 16

dea: 2024-07-05

IEC/TC 88 TURBINE EOLIENE

IEC 61400-5/AMD1 ED1

Amendment 1 - Wind energy generation
systems - Part 5: Wind turbine blades
dea: 2024-08-09

**IEC/TC 94 RELEE ELECTRICE DE TOT
SAU NIMIC**

IEC 63522-27 ED1

Electrical relays - Testing and Measurement -
Part 27: Electrical contact noise
dea: 2024-08-09

IEC 63522-28 ED1

Electrical relays - Tests and Measurement -
Part 28: Thermoelectric electromotive force
(e.m.f.)
dea: 2024-08-09

IEC 63522-31 ED1

Electrical relays - Tests and Measurements -
Part 31: Magnetic Remanence
dea: 2024-06-28

IEC 63522-38 ED1

Electrical relays - Testing and Measurement -
Part 38: Mechanical interlock
dea: 2024-08-09

IEC 63522-44 ED1

Electrical relays - Tests and Measurements -
Part 44: Corrosive atmosphere due to salt
mist
dea: 2024-08-16

IEC 63522-46 ED1

Electrical relays - Tests and Measurements - Part 46: Impulse voltage test
dea: 2024-08-09

IEC 63522-49 ED1

Electrical relays - Tests and Measurements - Part 49: Long term stability of sealing
dea: 2024-08-16

**IEC/TC 100 SISTEME ȘI ECHIPAMENTE
AUDIO, VIDEO ȘI MULTIMEDIA**

IEC 62680-1-2 ED7

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification
dea: 2024-08-02

IEC 62680-1-2 ED7

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification
dea: 2024-08-02

IEC 62680-1-3 ED6

Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C? cable and connector specification
dea: 2024-08-02

IEC 62680-1-3 ED6

Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-C? cable and connector specification
dea: 2024-08-02

IEC 63430 ED1

Data Container for Wearable Sensor
dea: 2024-08-02

IEC 63563-1 ED1

Qi Specification version 2.0 - Part 1: Introduction (Fast track)
dea: 2024-07-26

IEC 63563-10 ED1

Qi Specification version 2.0 - Part 10: MPP System Specification (Fast track)
dea: 2024-07-26

IEC 63563-11 ED1

Qi Specification version 2.0 - Part 11: MPP Communications Protocol (Fast track)
dea: 2024-07-26

IEC 63563-2 ED1

Qi Specification version 2.0 - Part 2: Glossary (Fast track)
dea: 2024-07-26

IEC 63563-3 ED1

Qi Specification version 2.0 - Part 3: Mechanical, Thermal, and User Interface (Fast track)
dea: 2024-07-26

IEC 63563-4 ED1

Qi Specification version 2.0 - Part 4: Power Delivery (Fast track)
dea: 2024-07-26

IEC 63563-5 ED1

Qi Specification version 2.0 - Part 5: Communications Physical Layer (Fast track)
dea: 2024-07-26

IEC 63563-6 ED1

Qi Specification version 2.0 - Part 6: Communications Protocol (Fast track)
dea: 2024-07-26

IEC 63563-7 ED1

Qi Specification version 2.0 - Part 7: Foreign Object Detection (Fast track)
dea: 2024-07-26

IEC 63563-8 ED1

Qi Specification version 2.0 - Part 8: NFC Tag Protection (Fast track)
dea: 2024-07-26

IEC 63563-9 ED1

Qi Specification version 2.0 - Part 9: Authentication Protocol (Fast track)
dea: 2024-07-26

**IEC/TC 106 METODE DE EVALUARE A
CÂMPURILOR ELECTRICE,
MAGNETICE ȘI
ELECTROMAGNETICE
ASOCIATE CU EXPUNEREA
CORPULUI UMAN**

IEC/IEEE 62704-2/AMD1 ED1

Amendment 1 - Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 2: Specific requirements for finite difference time domain (FDTD) modelling of exposure from vehicle mounted antennas
dea: 2024-07-26

**IEC/TC 109 COORDONAREA IZOLAȚIEI
PENTRU ECHIPAMENTE DE
JOASĂ TENSIUNE**

IEC 60664-1/AMD1 ED3

Amendment 1 - Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests
dea: 2024-08-02

IEC 60664-1/AMD1 ED3

Amendment 1 - Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests
dea: 2024-08-02

**IEC/TC 110 DISPOZITIVE DE AFIȘARE
PLANE**

IEC 62629-62-12 ED1

3D displays - Part 62-12: Measurement methods for virtual-image type - Image Quality
dea: 2024-08-09

IEC 62908-42-10 ED1

Touch and interactive displays - Part 42-10: Measurement methods of motion-tracking image-control response time for interactive projection display
dea: 2024-08-02

IEC 62977-3-6 ED1

Electronic displays - Part 3-6: Evaluation of optical performance - Spatial resolution
dea: 2024-08-02

IEC 63211-2-21 ED1

Durability test methods for electronic displays - Part 2-21: Environmental tests - Test methods for heat and humidity
dea: 2024-08-23

**IEC/TC 111 STANDARDIZAREA
MEDIULUI PENTRU PRODUSE
ȘI SISTEME ELECTRICE ȘI
ELECTRONICE**

IEC 63372 ED1

Quantification and communication of Carbon FootPRINT and GHG emission reductions/avoided emissions from electric and electronic products and systems ?

Principles, methodologies, requirements and guidance
dea: 2024-07-26

IEC 63372 ED1

Quantification and communication of Carbon FootPRINT and GHG emission reductions/avoided emissions from electric and electronic products and systems ? Principles, methodologies, requirements and guidance
dea: 2024-07-26

**IEC/TC 112 EVALUAREA ȘI
CALIFICAREA MATERIALELOR
IZOLATOARE ELECTRICE ȘI A
SISTEMELOR**

IEC 60112 ED6

Method for the determination of the proof and the comparative tracking indices of solid insulating materials
dea: 2024-08-02

**IEC/TC 116 SECURITATEA UNELTELOR
ELECTRICE CU MOTOR
PORTABILE**

IEC 62841-4-11 ED1

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-11: Particular requirements for edgers
dea: 2024-08-02

**IEC/TC 121 APARATE ȘI ANSAMBLURI
DE APARATE DE JOASĂ
TENSIUNE**

IEC 61439-8 ED1

Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for use in photovoltaic installations
dea: 2024-08-16

IEC 61439-8 ED1

Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for use in photovoltaic installations
dea: 2024-08-16

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Informații detaliate referitoare la standardele române se pot obține consultând aplicația Infostandard cât și publicațiile ASRO: revista „Standardizarea”, „Buletinul Standardizării”.

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