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LIETUVOS STANDARTIZACIJOS DEPARTAMENTO

# BIULETENIS

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Nr. 6

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2011-06-09

Lietuvos standartizacijos departamento  
**BIULETENIS**

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**2011**  
**Nr. 6**

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# STANDARTIZACIJA

## IŠLEISTI LIETUVOS STANDARTAI

### TK 1 ELEKTRONIKA

#### LST EN 60068-2-5:2011 en

Aplinkos poveikio bandymai. 2-5 dalis. Bandymai. Sa bandymas. Žemės paviršiaus lygyje imituota saulės spinduliuotė ir saulės spinduliuotės poveikio bandymų vadovas (IEC 60068-2-5:2010 + 2010 m. gruodžio mėn. pataisa)

Nuo 2014-01-02 pakeičia LST EN 60068-2-9:2001,  
LST EN 60068-2-5:2001

K (49 Lt)

#### LST EN 60268-7:2011 en

Garso sistemų įranga. 7 dalis. Telefono ausinės ir ausinės (IEC 60268-7:2010)

Nuo 2014-01-02 pakeičia LST EN 60268-7:2001

T (77 Lt)

#### LST EN 60461:2011 en

Laiko ir valdymo kodas (IEC 60461:2010)

Nuo 2014-01-02 pakeičia LST EN 60461:2002

S (72 Lt)

#### LST EN 60793-1-30:2011 en

Optinės skaidulos. 1-30 dalis. Matavimo metodai ir bandymo procedūros. Tikrinamasis skaidulų bandymas (IEC 60793-1-30:2010)

Nuo 2014-01-02 pakeičia LST EN 60793-1-30:2003

F (34 Lt)

#### LST EN 60793-2-40:2011 en

Optinės skaidulos. 2-40 dalis. Gaminių techniniai reikalavimai. Atskirasis rūšinis A4 kategorijos daugiamodžių skaidulų aprašas (IEC 60793-2-40:2009)

Nuo 2014-01-02 pakeičia LST EN 60793-2-40:2006

Q (65 Lt)

#### LST EN 61746-1:2011 en

Optinių laikinių atspindžio matuoklių (OTDR) kalibravimas. 1 dalis. Vienmodžių skaidulų optinis laikinis atspindžio matuoklis (IEC 61746-1:2009)

Nuo 2014-01-02 iš dalies pakeičia

LST EN 61746:2005

X (102 Lt)

#### LST EN 61746-2:2011 en

Optinių laikinių atspindžio matuoklių (OTDR) kalibravimas. 2 dalis. Daugiamodžių skaidulų optinis laikinis atspindžio matuoklis (IEC 61746-2:2010)

Nuo 2014-01-02 iš dalies pakeičia

LST EN 61746:2005

S (72 Lt)

#### LST EN 61753-131-3:2011 en

Skaiduliniai optiniai sujungimo įtaisai ir pasyvieji komponentai. Eksploatacinių charakteristikų standartas. 131-3 dalis. U kategorijos vienmodės mechaninės skaidulų sandūros. Nekontroliuojamoji aplinka (IEC 61753-131-3:2010)

K (49 Lt)

#### LST EN 61834-4:2001/A1:2011 en

Įrašymas. Skaitmeninė kasetinių vaizdajuosčių sraigtinio įrašymo sistema, kurioje naudojama 6,35 mm buitinė magnetinė juosta (525-60, 625-50, 1125-60 ir 1250-50 sistemos). 4 dalis. Paketo antraščių lentelė ir turinys (IEC 61834-4:1998/A1:2010)

L (53 Lt)

#### LST EN 62132-2:2011 en

Integriniai grandynai. Elektromagnetinio atsparumo matavimas. 2 dalis. Atsparumo skleidžiamai spinduliuotei matavimas. TEM narvelio ir plačiajuosčio TEM narvelio metodas (IEC 62132-2:2010)

L (53 Lt)

#### LST EN 62149-5:2011 en

Skaidulinės optikos aktyvieji komponentai ir įtaisai. Eksploatacinių charakteristikų standartai. 5 dalis. Asinchroninio perdavimo pasyviojo optinio tinklo (ATM-PON) siųstuvai-imtuvai su lazerinių diodų (LD) tvarkykle ir laikrodžio bei duomenų atkūrimo integriniais grandynais (CDR ICs) (IEC 62149-5:2009)

Nuo 2014-01-02 pakeičia LST EN 62149-5:2004

N (58 Lt)

#### LST EN 62341-6-1:2011 en

Organinių šviesos diodų vaizduokliai. 6-1 dalis. Optinių ir optoelektrinių parametrų matavimo metodai (IEC 62341-6-1:2009)

N (58 Lt)

#### LST EN 62374-1:2011 en

Puslaidininkiniai įtaisai. 1 dalis. Intermetalinių sluoksnių dielektrinio pramušimo priklausomybės nuo laiko bandymas (IEC 62374-1:2010)

H (42 Lt)

#### LST EN 62374-1:2011/AC:2011 en

Puslaidininkiniai įtaisai. 1 dalis. Intermetalinių sluoksnių dielektrinio pramušimo priklausomybės nuo laiko bandymas (IEC 62374-1:2010)

#### LST EN 62376:2011 en

Jūrų navigacinė ir radijo ryšio įranga bei sistemos. Elektroninė kartografinė navigacinė sistema. Veikimo ir eksploatacinių charakteristikų reikalavimai, bandymo metodai ir būtinieji bandymo rezultatai (IEC 62376:2010)

Q (65 Lt)

#### LST EN 62458:2011 en

Garso sistemų įranga. Elektroakustiniai keitliai. Didelio signalo parametrų matavimas (IEC 62458:2010)

L (53 Lt)

#### LST EN 62524:2011 en

Multimedijos sistemos ir įranga. Multimedijos el. leidyba ir el. knygos. El. leidyboje naudojamos skaitymo programos formatai (IEC 62524:2009)

T (77 Lt)

#### LST EN 62562:2011 en

Tūrinio rezonatoriaus metodas matuoti plokščių, turinčių mažus dielektrinius nuostolius, kompleksinę dielektrinę skvarbą (IEC 62562:2010)

K (49 Lt)

#### LST EN 62684:2011 en

Bendrųjų išorinių maitinimo šaltinių, skirtų skaitmeniniams mobiliesiems telefonams, funkcinio suderinamumo techniniai reikalavimai (IEC 62684)

E (30 Lt)

**TK 2 PIENAS IR PIENO PRODUKTAI****LST ISO 6731:2011 en**

Pienas, grietinėlė ir sutirštintas pienas. Visuminio sausųjų medžiagų kiekio nustatymas (pamatinis metodas) (tapatus ISO 6731:2010)

Pakeičia LST ISO 6731:2002

C (24 Lt)

**LST ISO 6734:2011 en**

Saldintas sutirštintas pienas. Visuminio sausosios medžiagos kiekio nustatymas (pamatinis metodas) (tapatus ISO 6734:2010)

Pakeičia LST ISO 6734:1998

C (24 Lt)

**TK 4 INFORMACIJOS TECHNOLOGIJA****LST EN ISO/IEC 15415:2005/AC:2011 en**

Informacinės technologijos. Automatinio identifikavimo ir duomenų kaupimo būdai. Brūkšninio kodo spausdinimo kokybės bandymo aprašas. Dvimačiai simboliai. 1 techninė pataisa (ISO 15415:2004/Cor.1:2008)

**LST EN ISO/IEC 15426-2:2006/AC:2011 en**

Informacinės technologijos. Automatinio identifikavimo ir duomenų kaupimo būdai. Brūkšninio kodo tikrintuvų atitikties aprašas. 2 dalis. Dvimačiai simboliai. 1 techninė pataisa (ISO/IEC 15426-2:2005/Cor.1:2008)

**TK 5 ELEKTROTECHNIKA****LST EN 60061-3+A:2000/A42:2011 en, fr**

Lempų cokoliai ir lizdai su kalibrais pakeičiamumui ir saugai tikrinti. 3 dalis. Kalibrai (IEC 60061-3:1969/A42:2010)

L (53 Lt)

**LST EN 60255-22-5:2011 en**

Matavimo relės ir apsauginė įranga. 22-5 dalis. Atsparumo elektriniams trikdžiams bandymai. Atsparumo viršįtampiams bandymas (IEC 60255-22-5:2008)

Nuo 2014-01-02 pakeičia LST EN 60255-22-5:2003

K (49 Lt)

**LST EN 60763-1:2011 en**

Sluoksniuotasis elektrotechninis kartonas. 1 dalis. Apibrėžtys, klasifikavimas ir bendrieji reikalavimai (IEC 60763-1:2010)

Nuo 2014-01-02 pakeičia LST EN 60763-1:2001

C (24 Lt)

**LST EN 60763-3-1:2011 en**

Sluoksniuotasis elektrotechninis kartonas. 3 dalis. Specialiųjų medžiagų techniniai reikalavimai. 1 lapas. Iš anksto presuoto sluoksniuotojo kartono reikalavimai, LB 3.1A.1 ir 3.1A.2 tipai (IEC 60763-3-1:2010)

Nuo 2014-01-02 pakeičia LST EN 60763-3-1:2001

C (24 Lt)

**LST EN 60974-4:2011 en**

Lankinio suvirinimo įranga. 4 dalis. Periodinė kontrolė ir bandymai (IEC 60974-4:2010)

Nuo 2014-01-02 pakeičia LST EN 60974-4:2007, LST EN 60974-4:2007/P:2008

H (42 Lt)

**LST EN 60974-5:2008 it**

Lankinio suvirinimo įranga. 5 dalis. Vielos tiektuvai (IEC 60974-5:2007)

J (45 Lt)

**LST EN 60974-5:2008/P:2011 en**

Lankinio suvirinimo įranga. 5 dalis. Vielos tiektuvai (IEC 60974-5:2007)

**LST EN 62507-1:2011 en**

Identifikavimo sistemos, įgalinančios nedviprasmiškai keistis informacija. Reikalavimai. 1 dalis. Principai ir metodai (IEC 62507-1:2010)

U (80 Lt)

**TK 7 DANGOS****LST EN ISO 26945:2011 en**

Metalinės ir kitokios neorganinės dangos. Elektrocheminės alavo ir kobalto lydinio dangos (ISO 26945:2011)

Pakeičia LST EN ISO 26945:2009

G (37 Lt)

**LST ISO 9717:2011 en**

Metalinės ir kitokios neorganinės dangos. Fosfatinės konversinės metalų dangos (tapatus ISO 9717:2010)

Pakeičia LST ISO 9717:1997

L (53 Lt)

**TK 8 ELEKTROMAGNETINIS SUDERINAMUMAS****LST EN 55016-2-2:2011 en**

Radio trikdžių ir atsparumo trikdžiams matavimo prietaisų techninių reikalavimų bei matavimo metodų aprašas. 2-2 dalis. Trikdžių ir atsparumo trikdžiams matavimo metodai. Trikdžių galios matavimas (CISPR 16-2-2:2010)

Nuo 2014-01-02 pakeičia LST EN 55016-2-2:2005,

LST EN 55016-2-2:2005/A1:2005,

LST EN 55016-2-2:2005/A2:2005

T (77 Lt)

**TK 12 AUTOMOBILIŲ KELIAI****LST EN 13074-1:2011 en**

Bitumas ir bituminiai rišikliai. Rišklio išskyrimas iš bituminių emulsijų arba skiestųjų ar skystųjų bitumų. 1 dalis. Išskyrimas išgarinant

Pakeičia LST EN 13074:2002

E (30 Lt)

**LST EN 13074-2:2011 en**

Bitumas ir bituminiai rišikliai. Rišklio išskyrimas iš bituminių emulsijų arba skiestųjų ar skystųjų bitumų. 2 dalis. Stabilizavimas po išskyrimo išgarinant

Pakeičia LST EN 14895:2006

D (28 Lt)

**LST EN 15430-1:2007+A1:2011 en**

Žiemos kelių ir kelių tarnybų zonų priežiūros įranga. Duomenų surinkimas ir perdavimas. 1 dalis. Duomenų surinkimas transporto priemonėje

Pakeičia LST EN 15430-1:2008

U (80 Lt)

**LST EN 15518-1:2011 en**

Žiemos kelių priežiūros įranga. Automobilų kelių meteorologinės informacijos sistemos. 1 dalis. Bendrosios apibrėžtys ir komponentai

E (30 Lt)

**LST EN 15518-2:2011 en**

Žiemos kelių priežiūros įranga. Automobilų kelių meteorologinės informacijos sistemos. 2 dalis. Kelių meteorologija. Rekomenduojamieji stebėjimai ir prognozės

D (28 Lt)

**LST EN 15518-3:2011 en**

Žiemos kelių priežiūros įranga. Automobilų kelių meteorologinės informacijos sistemos. 3 dalis. Reikalavimai, keliami stacionariaja įranga matuojamoms vertėms

F (34 Lt)

**TK 13 ŽEMĖS ŪKIO TECHNIKA****LST EN 1853:2000+A1:2010 lt**

Žemės ūkio mašinos. Savivartės priekabos. Sauga  
J (45 Lt)

**LST EN ISO 4254-5:2010/AC:2011 en**

Žemės ūkio mašinos. Sauga. 5 dalis. Žemės dirbimo įranga su mechanine pavara (ISO 4254-5:2008)  
Pakeičia LST EN ISO 4254-5:2010/AC:2010

**TK 17 MEDIENA****LST EN 14081-1:2005+A1:2011 en**

Medinės konstrukcijos. Pagal stiprį surūšiuota stačiakampio skerspjuvio statybinė mediena. 1 dalis. Bendrieji reikalavimai  
Pakeičia LST EN 14081-1:2006  
P (63 Lt)

**TK 18 TELEKOMUNIKACIJOS****LST ETSI EG 202 057-1 V1.3.1:2011 en**

Kalbinių signalų apdorojimas, perdavimas ir kokybės aspektai. Paslaugų gavėjams teikiamų paslaugų kokybės (QoS) parametru apibrėžtys ir matavimai. 1 dalis. Bendrieji dalykai  
Q (65 Lt)

**LST ETSI EG 202 057-2 V1.3.1:2011 en**

Kalbinių signalų apdorojimas, perdavimas ir kokybės aspektai. Paslaugų gavėjams teikiamų paslaugų kokybės (QoS) parametru apibrėžtys ir matavimai. 2 dalis. Balso telefonija, 3 grupės fakso aparatai, modemo duomenų paslaugos ir žinutės  
U (80 Lt)

**LST ETSI EG 202 057-2 V1.3.2:2011 en**

Kalbinių signalų ir multimedijos perdavimo kokybė. Paslaugų gavėjams teikiamų paslaugų kokybės (QoS) parametru apibrėžtys ir matavimai. 2 dalis. Balso telefonija, 3 grupės fakso aparatai, modemo duomenų paslaugos ir žinutės  
U (80 Lt)

**LST ETSI EG 202 057-4 V1.2.1:2011 en**

Kalbinių signalų apdorojimas, perdavimas ir kokybės aspektai. Paslaugų gavėjams teikiamų paslaugų kokybės (QoS) parametru apibrėžtys ir matavimai. 4 dalis. Interneto prieiga  
R (69 Lt)

**TK 19 BETONAS IR GELŽBETONIS****LST EN 15037-2:2009+A1:2011 en**

Gamykliniai betoniniai gaminiai. Sijų ir blokų grindų sistemos. 2 dalis. Betoniniai blokai  
Nuo 2012-04-30 pakeičia LST EN 15037-2:2009  
R (69 Lt)

**LST EN 15037-3:2009+A1:2011 en**

Gamykliniai betoniniai gaminiai. Sijų ir blokų grindų sistemos. 3 dalis. Keraminiai blokai  
Nuo 2012-04-30 pakeičia LST EN 15037-3:2009  
R (69 Lt)

**TK 21 TEKSTILĖ****LST EN ISO 1833-24:2011 en**

Tekstilė. Kiekybinė cheminė analizė. 24 dalis. Poliesterio ir tam tikrų kitokių pluoštų mišiniai (metodas, naudojat fenolį ir tetrachloretaną) (ISO 1833-24:2010)  
C (24 Lt)

**TK 25 RIŠAMOSIOS MEDŽIAGOS IR SILIKATINIAI DIRBINIAI****LST EN 12859:2011 en**

Gipso blokai. Apibrėžtys, reikalavimai ir bandymo metodai  
Pakeičia LST EN 12859:2008  
Q (65 Lt)

**TK 28 DUJŲ SISTEMOS****LST EN 1949:2011 en**

Gyvenamosiose poilsinėse ir kitokiose gyvenamosiose transporto priemonėse įrengiamų buitinės paskirties suskystintų naftos dujų sistemų techniniai reikalavimai  
Pakeičia LST EN 1949:2002,  
LST EN 1949:2002/A1:2005  
R (69 Lt)

**TK 29 VANDENTVARKA****LST EN 1113:2008+A1:2011 en**

Santehnikos įtaisai. 1-ojo ir 2-ojo tipo vandens tiekimo sistemų santehnikos įtaisų dušų žarnos. Bendrieji techniniai reikalavimai  
Pakeičia LST EN 1113:2008  
L (53 Lt)

**TK 30 TECHNINIAI GAMINIŲ DOKUMENTAI****LST EN ISO 8826-1:2000 lt**

Techniniai brėžiniai. Riedėjimo guoliai. 1 dalis. Bendrasis supaprastintas vaizdavimas (ISO 8826-1:1989)  
C (24 Lt)

**LST EN ISO 8826-1:2000/P:2011 en**

Techniniai brėžiniai. Riedėjimo guoliai. 1 dalis. Bendrasis supaprastintas vaizdavimas (ISO 8826-1:1989)

**TK 31 AKUSTIKA****LST EN ISO 28927-11:2011 en**

Nešiojamieji rankiniai varikliniai įrankiai. Vibracijų intensyvumo įvertinimo metodai. 11 dalis. Akmens apdirbimo plaktukai (ISO 28927-11:2011)  
Pakeičia LST EN ISO 8662-14:2000  
L (53 Lt)

**LST ISO 20906:2011 en**

Akustika. Orlaivių skleidžiamo garso automatinė stebėseną arti oro uostų (tapatus ISO 20906:2009)  
Pakeičia LST ISO 3891:2002  
R (69 Lt)

**TK 32 SVEIKATA****LST EN 455-2:2009+A1:2011 en**

Vienkartinės medicininės pirštinės. 2 dalis. Fizikinių savybių reikalavimai ir tikrinimas  
Pakeičia LST EN 455-2:2010  
F (34 Lt)

**LST EN 15986:2011 en**

Medicinos priemonių ženklavimo simboliai. Medicinos priemonių, kurių sudėtyje yra ftalatų, ženklavimo reikalavimai  
F (34 Lt)

**LST EN 60601-2-52:2010/AC:2011 en**

Elektrinė medicinos įranga. 2-52 dalis. Ypatingieji būtiniosios saugos ir esminių eksploatacinių charakteristikų reikalavimai, keliami medicininėms lovoms (IEC 60601-2-52:2009)

**LST EN ISO 14155:2011 en**

Klinikinis žmonėms skirtų medicinos priemonių tyrimas. Gera klinikinė praktika (ISO 14155:2011)  
Pakeičia LST EN ISO 14155-1:2009,  
LST EN ISO 14155-2:2009

V (88 Lt)

**LST EN ISO 21090:2011 en**

Sveikatos informatika. Informacijos mainams skirti suderinti duomenų tipai (ISO 21090:2011)

XD (133 Lt)

**TK 34 METROLOGIJA****LST EN 14154-1:2005+A2:2011 en**

Vandens skaitikliai. 1 dalis. Bendrieji reikalavimai  
Pakeičia LST EN 14154-1+A1:2007

V (88 Lt)

**LST EN 14154-2:2005+A2:2011 en**

Vandens skaitikliai. 2 dalis. Įrengimas ir naudojimo sąlygos  
Pakeičia LST EN 14154-2+A1:2007

R (69 Lt)

**LST EN 14154-3:2005+A2:2011 en**

Vandens skaitikliai. 3 dalis. Bandymo metodai ir įranga  
Pakeičia LST EN 14154-3+A1:2007

X (102 Lt)

**TK 35 DARBŲ SAUGA****LST EN 14010:2004+A1:2010 lt**

Mašinų sauga. Mechanizuotoji automobilių stovėjimo vietos įranga. Projektavimo, gamybos, surinkimo ir perdavimo eksploatuoti stadijų saugos ir elektromagnetinio suderinamumo (EMS) reikalavimai

U (80 Lt)

**LST ISO 6742-1:2011 en**

Dviračiai. Apšvietimo ir atgalinio atspindžio įtaisai. Fotometriniai ir fizikiniai reikalavimai. 1 dalis. Apšvietimo įranga (tapatus ISO 6742-1:1987)

H (42 Lt)

**LST ISO 6742-2:2011 en**

Dviračiai. Apšvietimo ir atgalinio atspindžio įtaisai. Fotometriniai ir fizikiniai reikalavimai. 2 dalis. Atgalinio atspindžio įtaisai (tapatus ISO 6742-2:1985)

D (28 Lt)

**TK 36 APLINKOS APSAUGA****LST CEN/TS 16115-1:2011 en**

Aplinkos oro kokybė. Bioaerozolių matavimas. 1 dalis. Pelėsių nustatymas naudojant filtrines ėminių ėmimo sistemas ir kultivavimu pagrįstą analizę

S (72 Lt)

**LST ISO 5667-14:2011 en**

Vandens kokybė. Mėginių ėmimas. 14 dalis. Nurodymai, kaip imti gamtinio vandens mėginius ir užtikrinti jų tvarkymo kokybę (tapatus ISO 5667-14:1998)

J (45 Lt)

**LST ISO 9698:2011 en**

Vandens kokybė. Tričio tūrinio aktyvumo nustatymas. Blyksnių skystyje skaičiavimo metodas (tapatus ISO 9698:2010)  
Pakeičia LST ISO 9698:1998, LST ISO 9698:2006,  
LST ISO 9698:1998/P:2006

M (56 Lt)

**TK 38 STATYBINĖS KONSTRUKCIJOS****LST EN 1992-2:2006/AC:2008 lt**

Eurokodas 2. Gelžbetoninių konstrukcijų projektavimas. 2 dalis. Gelžbetoniniai tiltai. Projektavimo ir konstravimo taisyklės

**LST EN 1993-1-8:2005/AC:2009 lt**

Eurokodas 3. Plieninių konstrukcijų projektavimas. 1-8 dalis. Mazgų projektavimas

**LST EN 1993-1-11:2007/AC:2009 lt**

Eurokodas 3. Plieninių konstrukcijų projektavimas. 1-11 dalis. Konstrukcijų su tempiamaisiais komponentais projektavimas

**LST EN 1993-3-1:2007/AC:2009 lt**

Eurokodas 3. Plieninių konstrukcijų projektavimas. 3-1 dalis. Bokštai, stiebai ir kaminai. Bokštai ir stiebai

**LST EN 1993-6:2007/AC:2009 lt**

Eurokodas 3. Plieninių konstrukcijų projektavimas. 6 dalis. Kranus laikančios konstrukcijos

**TK 40 NAFTA IR NAFTOS PRODUKTAI****LST CWA 15940:2011 en**

Automobiliniai degalai. Parafininis dyzelinas, gautas sintezės arba hidrovalymo būdu. Reikalavimai ir tyrimo metodai

E (30 Lt)

**LST EN 15721:2009 lt**

Etanolis kaip benzino kompaundavimo komponentas. Aukštesniųjų alkoholių, metanolio ir lakiųjų priemaišų nustatymas. Dujų chromatografijos metodas

K (49 Lt)

**TK 41 SUVIRINIMAS IR MEDŽIAGOTYRA****LST EN 15776:2011 en**

Nekaitinamieji slėginiai indai. Ketinių slėginių indų ir slėginių dalių, kurių santykinis pailgėjimas lūžus 15 % arba mažesnis, projektavimo ir gamybos reikalavimai

R (69 Lt)

**LST EN ISO 3580:2011 en**

Suvirinimo medžiagos. Valkšnumui atsparių plienų rankinio lankinio suvirinimo glaistyti elektrodai. Klasifikacija (ISO 3580:2010)

Pakeičia LST EN ISO 3580:2008

M (56 Lt)

**LST EN ISO 6892-2:2011 en**

Metalai. Tempimo bandymai. 2 dalis. Aukštatempatūrio bandymo metodas (ISO 6892-2:2011)  
Pakeičia LST EN 10002-5:2000

L (53 Lt)

**TK 43 GELEŽINKELIŲ TRANSPORTAS****LST EN 13977:2011 en**

Geležinkelio taikmenys. Geležinkelio kelias. Nešiojamųjų tiesybės ir techninės priežiūros mašinų ir vežimėlių saugos reikalavimai

Pakeičia LST EN 13977+A1:2007

S (72 Lt)



**LST EN 14033-1:2011 en**

Geležinkelio taikmenys. Geležinkelio kelias. Bėgių tiesimo ir techninės priežiūros mašinos. 1 dalis. Eismo techniniai reikalavimai

Pakeičia LST EN 14033-1:2009

W (94 Lt)

**LST EN 15892:2011 en**

Geležinkelio taikmenys. Triukšmo spinduliavimas. Triukšmo mašinisto kabinoje matavimas

H (42 Lt)

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**TK 44 ALIEJINGOSIOS SĖKLOS, GYVŪNINIAI IR AUGALINIAI RIEBALAI IR ALIEJUS BEI JŲ ŠALUTINIAI PRODUKTAI**
**LST EN ISO 3656:2011 en**

Gyvūniniai ir augaliniai riebalai ir aliejus. Ultravioletinės spinduliuotės sugerties faktoriaus, išreikšto savitąja UV ekstinkcija, nustatymas (ISO 3656:2011)

Pakeičia LST EN ISO 3656:2002,  
LST EN ISO 3656:2003

F (34 Lt)

**LST EN ISO 12966-2:2011 en**

Gyvūniniai ir augaliniai riebalai ir aliejus. Riebalų rūgščių metil esterių dujų chromatografija. 2 dalis. Riebalų rūgščių metil esterių paruošimas (ISO 12966-2:2011)

Pakeičia LST EN ISO 5509:2001

J (45 Lt)

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**TK 45 ELEKTROS ENERGETIKA**
**LST EN 60252-1:2011 en**

Kintamosios srovės variklių kondensatoriai. 1 dalis. Bendrieji dalykai. Eksploatacinės charakteristikos, bandymai ir vardiniai parametrai. Saugos reikalavimai. Įrengimo ir eksploataavimo vadovas (IEC 60252-1:2010)

Nuo 2014-01-02 pakeičia LST EN 60252-1:2002

P (63 Lt)

**LST EN 60252-2:2011 en**

Kintamosios srovės variklių kondensatoriai. 2 dalis. Variklių paleidimo kondensatoriai (IEC 60252-2:2010)

Nuo 2014-01-19 pakeičia LST EN 60252-2:2004

S (72 Lt)

**LST EN 61400-22:2011 en**

Vėjo turbinos. 22 dalis. Atitiktis tikrinimas ir sertifikavimas (IEC 61400-22:2010)

W (94 Lt)

**LST EN 61558-2-9:2011 en**

Transformatorių, reaktorių, maitinimo šaltinių ir jų derinių sauga. 2-9 dalis. Transformatorių ir maitinimo šaltinių, skirtų III klasės rankinėms volframo lempoms, ypatingieji reikalavimai ir bandymai (IEC 61558-2-9:2010)

Nuo 2014-01-02 pakeičia LST EN 61558-2-9:2003

G (37 Lt)

**LST EN 61558-2-20:2011 en**

Transformatorių, reaktorių, maitinimo šaltinių ir jų derinių sauga. 2-20 dalis. Mažųjų reaktorių ypatingieji reikalavimai ir bandymai (IEC 61558-2-20:2010)

Nuo 2014-01-02 pakeičia LST EN 61558-2-20:2002

J (45 Lt)

**LST EN 62006:2011 en**

Hidraulinės mašinos. Mažųjų hidroelektrinių įrenginių priimamieji bandymai (IEC 62006:2010)

XA (108 Lt)

**LST EN 62305-1:2011 en**

Apsauga nuo žaibo. 1 dalis. Bendrieji principai (IEC 62305-1:2010, modifikuotas)

Nuo 2014-01-13 pakeičia LST EN 62305-1:2006,  
LST EN 62305-1:2006/AC:2007

V (88 Lt)

**LST EN 62305-3:2011 en**

Apsauga nuo žaibo. 3 dalis. Fizinė žala statiniams ir pavojus gyvybei (IEC 62305-3:2010)

Nuo 2014-01-02 pakeičia LST EN 62305-3:2006,  
LST EN 62305-3:2006/A11:2009,  
LST EN 62305-3:2006/AC:2008

XC (124 Lt)

**LST EN 62305-4:2011 en**

Apsauga nuo žaibo. 4 dalis. Elektrinės ir elektroninės sistemos statiniuose (IEC 62305-4:2010, modifikuotas)

Nuo 2014-01-13 pakeičia LST EN 62305-4:2006,  
LST EN 62305-4:2006/AC:2007

X (102 Lt)

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**TK 49 LIEJININKYSTĖ**
**LST CEN/TS 15916-1:2011 en**

Varis ir vario lydiniai. Telūro kiekio nustatymas. 1 dalis. Mažas telūro kiekis. Liepsnos atominės absorbcinės spektrometrijos metodas

E (30 Lt)

**LST EN 1559-1:2011 en**

Liejininkystė. Techninės tiekimo sąlygos. 1 dalis. Bendrieji dalykai

Pakeičia LST EN 1559-1:2001

L (53 Lt)

**LST EN 1560:2011 en**

Liejininkystė. Ketaus žymėjimo sistema. Medžiagų simboliai ir numeriai

Pakeičia LST EN 1560:2002, LST EN 1560:2005

J (45 Lt)

**LST EN 12513:2011 en**

Liejininkystė. Atsparus dilinimui ketus

Pakeičia LST EN 12513:2002

K (49 Lt)

**LST EN ISO 3927:2011 en**

Metalo milteliai, išskyrus kietlydinio miltelius. Presuojamumo nustatymas veikiant vienašiu suspaudimu (ISO 3927:2011)

Pakeičia LST EN ISO 3927:2003,  
LST EN ISO 3927:2003/AC:2009

F (34 Lt)

**LST EN ISO 3953:2011 en**

Metalo milteliai. Suspaustų miltelių tankio nustatymas (ISO 3953:2011)

Pakeičia LST EN ISO 3953:2000

D (28 Lt)

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**TK 50 ŠILDYMO IR VĒDINIMO SISTEMOS**
**LST EN 15316-4-8:2011 en**

Pastatų šildymo sistemos. Sistemos energijos poreikio ir sistemos našumo skaičiavimo metodas. 4-8 dalis. Patalpoms šildyti skirtos šilumos gamybos sistemos, oro šildymo ir palubinės spinduliuojančiojo šildymo sistemos

R (69 Lt)

**TK 51 MAISTO ANALIZĖ****LST CEN/TS 16187:2011 en**

Maisto produktai. Fumonisinų B1 ir B2 nustatymas perdirbtų kukurūzų turinčiuose maisto produktuose, skirtuose kūdikiams ir mažiems vaikams. Efektyviosios skysčių chromatografijos metodas, taikant gryninimą imuninio giminiškumo kolonėlėje ir fluorescencinį aptikimą, atlikus prieškolonelinį antrinių junginių gavimą

J (45 Lt)

**TK 52 OFTALMOLOGINĖ OPTIKA IR LAZERIAI****LST EN ISO 8624:2011 en**

Oftalmologinė optika. Akinių rėmeliai. Matavimo sistema ir terminija (ISO 8624:2011)

Pakeičia LST EN ISO 8624:2002

F (34 Lt)

**TK 53 AVALYNĖ IR ODA****LST EN ISO 17072-1:2011 en**

Oda. Cheminis metalų kiekio nustatymas. 1 dalis. Ekstrahuojamieji metalai (ISO 17072-1:2011)

F (34 Lt)

**LST EN ISO 17072-2:2011 en**

Oda. Cheminis metalų kiekio nustatymas. 2 dalis. Visuminis metalų kiekis (ISO 17072-2:2011)

E (30 Lt)

**TK 56 NAFTOS PRAMONĖS ĮRENGINIAI****LST EN 1591-1:2002+A1:2009/AC:2011 en**

Jungės ir jų jungtys. Apskritųjų junginių jungčių su tarpikliu projektavimo taisyklės. 1 dalis. Skaičiavimo metodas

Pakeičia LST EN 1591-1:2002+A1:2009/AC:2010

**LST EN 13121-3:2008+A1:2010/AC:2011 en**

Antžeminės stiklaplastikio talpyklos ir indai. 3 dalis. Projektavimas ir gamyba

**LST EN ISO 14585:2011 en**

Savisriegiai sraigtai su pusapvalia cilindrine galvute, turinčia šešialapę įdubą (ISO 14585:2011)

Pakeičia LST EN ISO 14585:2002,  
LST EN ISO 14585:2002/AC:2006

D (28 Lt)

**LST EN ISO 14586:2011 en**

Savisriegiai sraigtai su kūgine paslėpta galvute, turinčia šešialapę įdubą (ISO 14586:2011)

Pakeičia LST EN ISO 14586:2002

D (28 Lt)

**LST EN ISO 14587:2011 en**

Savisriegiai sraigtai su kūgine pusiau paslėpta galvute, turinčia šešialapę įdubą (ISO 14587:2011)

Pakeičia LST EN ISO 14587:2002

D (28 Lt)

**TK 60 LANGAI IR DURYS****LST EN 410:2011 en**

Statybinis stiklas. Įstiklinimo šviesinių ir saulės spinduliuotės praleidimo charakteristikų nustatymas

Pakeičia LST EN 410:2000

V (88 Lt)

**LST EN 673:2011 en**

Statybinis stiklas. Šilumos praleidimo faktoriaus (U vertės) nustatymas. Skaičiavimo metodas

Pakeičia LST EN 673:2000,  
LST EN 673:2000/A1+A2:2003,  
LST EN 673:2000/P:2006

J (45 Lt)

**LST EN 13126-19:2011 en**

Statybiniai apkaustai. Langu ir prancūziškųjų langu reikalavimai ir bandymo metodai. 19 dalis. Slankieji uždarymo įtaisai

G (37 Lt)

**TK 64 ERGONOMIKA****LST EN ISO 24503:2011 en**

Ergonomika. Prieinamas dizainas. Lytymųjų taškų ir brūkšnių naudojimas ant vartojimo reikmenų (ISO 24503:2011)

D (28 Lt)

**TK 66 NEARDOMIEJI BANDYMAI****LST EN 14127:2011 en**

Neardomieji bandymai. Ultragarsinis storio matavimas

Pakeičia LST EN 14127:2004

R (69 Lt)

**TK 68 PLASTIKAI****LST EN ISO 14125+AC:2002/A1:2011 en**

Pluoštu armuoti plastikų kompozitai. Lankstomųjų savybių nustatymas. 1 keitinys (ISO 14125:1998/Amd.1:2011)

XZ (7 Lt)

**TK 70 PLAUSIENA, POPIERIUS, KARTONAS****LST EN ISO 5264-2:2011 en**

Plaušiena. Laboratorinis malimas. 2 dalis. PFI malūno metodas (ISO 5264-2:2011)

Pakeičia LST EN ISO 5264-2:2003

G (37 Lt)

**LST EN ISO 7263:2011 en**

Vidurinis gofruotojo kartono sluoksnis. Laboratorijoje gofruoto kartono atsparumo plokštuminiam gniuždymui nustatymas (ISO 7263:2011)

Pakeičia LST EN ISO 7263:2009

F (34 Lt)

**TK 71 ENERGETIKOS TIKSLAMS TVARIAI  
PAGAMINTA BIOMASĖ, KIETASIS  
BIOKURAS IR KIETASIS ATGAUTASIS  
KURAS****LST EN 15104:2011 en**

Kietasis biokuras. Visuminio anglies, vandenilio ir azoto kiekio nustatymas. Instrumentiniai metodai

Pakeičia LST CEN/TS 15104:2005

G (37 Lt)

**LST EN 15105:2011 en**

Kietasis biokuras. Vandenyje tirpių chloridų, natrio ir kalio kiekio nustatymas

Pakeičia LST CEN/TS 15105:2005

F (34 Lt)

**LST EN 15289:2011 en**

Kietasis biokuras. Visuminio sieros ir chloro kiekio nustatymas  
Pakeičia LST CEN/TS 15289:2007

H (42 Lt)

**LST EN 15290:2011 en**

Kietasis biokuras. Pagrindinių elementų – Al, Ca, Fe, Mg, P, K, Si, Na ir Ti – nustatymas  
Pakeičia LST CEN/TS 15290:2007

J (45 Lt)

**LST EN 15296:2011 en**

Kietasis biokuras. Analizinių rezultatų keitimas iš vienos bazės į kitą bazę

Pakeičia LST CEN/TS 15296:2006

G (37 Lt)

**LST EN 15297:2011 en**

Kietasis biokuras. Šalutinių elementų – As, Cd, Co, Cr, Cu, Hg, Mn, Mo, Ni, Pb, Sb, V ir Zn – nustatymas  
Pakeičia LST CEN/TS 15297:2007

H (42 Lt)

**TK 78 MAŠINOS IR ĮRENGINIAI****LST EN 500-4:2011 en**

Pervežamos kelių tiesybos mašinos. Sauga. 4 dalis.  
Specialieji tankintuvų reikalavimai  
Pakeičia LST EN 500-4:2007+A1:2009

U (80 Lt)

**LST EN 12463:2004+A1:2011 en**

Maisto perdirbimo mašinos. Pripildymo ir pagalbinės mašinos. Saugos ir higienos reikalavimai  
Pakeičia LST EN 12463:2004

V (88 Lt)

**TK 79 INFORMACIJOS SAUGUMAS****LST ISO/IEC 9796-2:2011 en**

Informacinės technologijos. Saugumo metodai. Skaitmeninio parašo schemas, atkuriančios pranešimą. 2 dalis. Sveikojo skaičiaus faktorizavimu pagrįsti mechanizmai (tapatus ISO/IEC 9796-2:2010)

Pakeičia LST ISO/IEC 9796-2:2007,  
LST ISO/IEC 9796-2:2007/A1:2009

U (80 Lt)

**LST ISO/IEC 9798-1:2011 en**

Informacinės technologijos. Saugumo metodai. Objekto tapatumo nustatymas. 1 dalis. Bendrieji dalykai (tapatus ISO/IEC 9798-1:2010)

Pakeičia LST ISO/IEC 9798-1:2000

F (34 Lt)

**TK 80 KELIŲ TRANSPORTAS IR TELEMATIKA****LST CEN ISO/TS 13140-1:2011 en**

Elektroninis mokesčių rinkimas. Transporto priemonėje įrengtos ir pakelės įrangos atitikties ISO/TS 13141 įvertinimas. 1 dalis. Testų komplekto sandara ir testavimo tikslai (ISO/TS 13140-1:2011)

T (77 Lt)

**LST CEN ISO/TS 13143-1:2011 en**

Elektroninis mokesčių rinkimas. Transporto priemonėje įrengtos ir pakelės įrangos atitikties ISO/TS 12813 įvertinimas. 1 dalis. Testų komplekto sandara ir testavimo tikslai (ISO/TS 13143-1:2011)

W (94 Lt)

**LST CEN ISO/TS 17575-3:2011 en**

Elektroninis mokesčių rinkimas. Autonominių sistemų taikomojo sietuvo apibrėžtis. 3 dalis. Kontekstiniai duomenys (ISO/TS 17575-3:2011)

X (102 Lt)

**LST CEN ISO/TS 17575-4:2011 en**

Elektroninis mokesčių rinkimas. Autonominių sistemų taikomojo sietuvo apibrėžtis. 4 dalis. Tarptinklinis ryšys (ISO/TS 17575-4:2011)

N (58 Lt)

**LIETUVOS STANDARTIZACIJOS DEPARTAMENTAS****LST EN 12953-6:2011 en**

Kaitravamzdžiai katilai. 6 dalis. Katilo įrangos reikalavimai  
Pakeičia LST EN 12953-6:2003

U (80 Lt)

**LST EN 14276-1:2006+A1:2011 en**

Šaldymo sistemų ir šilumos siurblių slėginė įranga. 1 dalis.  
Indai. Bendrieji reikalavimai

Pakeičia LST EN 14276-1:2006

X (102 Lt)

**LST EN 14276-2:2007+A1:2011 en**

Šaldymo sistemų ir šilumos siurblių slėginė įranga. 2 dalis.  
Vamzdynai. Bendrieji reikalavimai

Pakeičia LST EN 14276-2:2007

N (58 Lt)

**LST EN 15879-1:2011 en**

Tiesioginių šilumos mainų tarp grindų ir šilumos siurblių su elektriniais kompresoriais, skirtų patalpoms šildyti ir (arba) vėsinti, bandymai ir charakteristikų nustatymas. 1 dalis. Šilumos siurbLIAI, skirti tiesioginiams šilumos mainams su vandeniu

M (56 Lt)

**LST EN ISO 8394-2:2011/AC:2011 en**

Pastatų statyba. Sandūrų gaminiai. 2 dalis. Ekstruzijos gebos nustatymas naudojant standartizuotus aparatus (ISO 8394-2:2010)  
Pastaba. LST EN ISO 8394-2:2011 pakeičia LST EN 29048:2002

# NETEKĘ GALIOS LIETUVOS STANDARTAI

Netekęs galios Lietuvos standartas

Vietoj jo galioja

## TK 1 ELEKTRONIKA

LST EN 60255-22-4:2003 <i>Elektrinės relės. 22-4 dalis. Matavimo relių ir apsauginės įrangos atsparumo elektriniams trikdžiams bandymai. Atsparumo sparčiajam elektriniam pereinamajam vyksmui-blyksniui bandymas (IEC 60255-22-4:2002)</i>	<b>LST EN 60255-22-4:2008</b>
LST EN 61784-1+AC:2004 <i>Skaitmeniniai matavimų ir valdymo duomenų mainai. 1 dalis. Nenutrūkstamos ir vienetinės gamybos duomenų mainų profilių rinkiniai, susiję su lauko magistralės naudojimu pramoninėse valdymo sistemose (IEC 61784-1:2003 + 2004 m. pataisa)</i>	<b>LST EN 61784-1:2008</b>
LST EN 61977:2003 <i>Skaiduliniai optiniai filtrai. Bendrasis rūšinis aprašas (IEC 61977:2001)</i>	<b>LST EN 61977:2010</b>
LST EN 62077:2002 <i>Skaiduliniai optiniai cirkulatoriai. Bendrasis rūšinis aprašas (IEC 62077:2001)</i>	<b>LST EN 62077:2010</b>

## TK 2 PIENAS IR PIENO PRODUKTAI

LST ISO 6731:2002 <i>Pienas, grietinėlė ir sutirštintas pienas. Bendrojo sausųjų medžiagų kiekio nustatymas (pamatinis metodas) (tapatus ISO 6731:1989)</i>	<b>LST ISO 6731:2011</b>
LST ISO 6734:1998 <i>Sutirštintas saldintas pienas. Bendrojo sausosios medžiagos kiekio nustatymas (pamatinis metodas)</i>	<b>LST ISO 6734:2011</b>

## TK 4 INFORMACIJOS TECHNOLOGIJA

LST ISO/IEC 9796-2:2007, LST ISO/IEC 9796-2:2007/A1:2009 <i>Informacijos technologija. Saugumo metodai. Skaitmeninio parašo schemos, atkuriančios pranešimą. 2 dalis. Sveiką skaičiaus faktorizavimu pagrįsti mechanizmai (tapatus ISO/IEC 9796-2:2002)</i>	<b>LST ISO/IEC 9796-2:2011</b>
LST ISO/IEC 9798-1:2000 <i>Informacijos technologija. Saugumo metodai. Esių tapatumo nustatymas. 1 dalis. Bendrieji dalykai</i>	<b>LST ISO/IEC 9798-1:2011</b>

## TK 5 ELEKTROTECHNIKA

LST EN 60216-5:2003 <i>Elektros izoliacinės medžiagos. Atsparumo šilumai savybės. 5 dalis. Izoliacinės medžiagos santykinio atsparumo šilumai rodiklio (RTE) nustatymas (IEC 60216-5:2003)</i>	<b>LST EN 60216-5:2008</b>
LST EN 60255-22-2:2001 <i>Elektrinės relės. 22 dalis. Matavimo relių ir apsauginės įrangos elektrinių trikdžių bandymai. 2 skyrius. Elektrostatinio iškrovimo bandymai (IEC 60255-22-2:1996)</i>	<b>LST EN 60255-22-2:2008</b>
LST EN 60317-0-1:1998 en, LST EN 60317-0-1+A1:2000 lt, LST EN 60317-0-1+A1:2000/A2:2006 en, lt, LST EN 60317-0-1+A1:2000/P:2005 en <i>Kai kurių tipų apvijinių laidų charakteristikos. 0 dalis. Bendrieji reikalavimai. 1 skyrius. Emaliuotas apvalusis vario laidas (IEC 60317-0-1:1997)</i>	<b>LST EN 60317-0-1:2008</b>
LST EN 60695-8-1:2002 <i>Gaisrinio pavojingumo bandymai. 8-1 dalis. Šilumos išsiskyrimas. Bendrieji nurodymai (IEC 60695-8-1:2001)</i>	<b>LST EN 60695-8-1:2008</b>
LST EN 60904-3:2001 <i>Fotovoltiniai įtaisai. 3 dalis. Antžeminių fotovoltinių (PV) įtaisų matavimo, įskaitant norminio spektrinio saulės spinduliuotės srauto tankio duomenis, principai (IEC 60904-3:1989)</i>	<b>LST EN 60904-3:2008</b>
LST EN 61347-1:2002, LST EN 61347-1:2002/A1:2008 <i>Lempų valdymo įtaisai. 1 dalis. Bendrieji ir saugos reikalavimai (IEC 61347-1:2000)</i>	<b>LST EN 61347-1:2008</b>
LST EN 61355:2001 <i>Įrengimų, sistemų ir įrangos dokumentų klasifikavimas ir žymėjimas (IEC 61355:1997)</i>	<b>LST EN 61355-1:2008</b>
LST EN 61810-1:2004 <i>Paprastosios elektromechaninės relės. 1 dalis. Bendrieji ir saugos reikalavimai (IEC 61810-1:2003)</i>	<b>LST EN 61810-1:2008</b>

## TK 7 DANGOS

LST EN ISO 26945:2009 <i>Metalinės ir kitos neorganinės dangos. Elektrocheminės alavo ir kobalto lydinio dangos (ISO 26945:2008)</i>	<b>LST EN ISO 26945:2011</b>
LST ISO 9717:1997 <i>Konversinės fosfatinės dangos ant metalų. Reikalavimų apibūdinimas</i>	<b>LST ISO 9717:2011</b>

Netekęs galios Lietuvos standartas

Vietoj jo galioja

**TK 12 AUTOMOBILIŲ KELIAI**LST EN 13074:2002 *Bitumas ir bituminiai rišikliai. Rišiklio išskyrimas iš bituminių emulsijų išgarinant*

LST EN 13074-1:2011

LST EN 14895:2006 *Bitumas ir bituminiai rišikliai. Rišiklio iš bituminių emulsijų arba skiestųjų ir minkštųjų bituminių rišiklių stabilizavimas*

LST EN 13074-2:2011

LST EN 15430-1:2008 *Žiemos kelių ir kelių tarnybų zonų priežiūros įranga. Duomenų surinkimas ir perdavimas. 1 dalis. Duomenų surinkimas transporto priemonėje*

LST EN 15430-1:2007+A1:2011

**TK 13 ŽEMĖS ŪKIO TECHNIKA**LST EN ISO 4254-5:2010/AC:2010 *Žemės ūkio mašinos. Sauga. 5 dalis. Žemės dirbimo įranga su mechanine pavara (ISO 4254-5:2008)*

LST EN ISO 4254-5:2010/AC:2011

**TK 17 MEDIENA**LST EN 14081-1:2006 *Medinės konstrukcijos. Pagal stiprį surūšiuota stačiakampio skerspjūvio statybinė mediena. 1 dalis. Bendrieji reikalavimai*

LST EN 14081-1:2005+A1:2011

**TK 22 PRIEŠGAISRINĖ SAUGA**LST L 1958:2004, LST L 1958:2004/P:2008 *Degumo bandymai. Degumo charakteristikų nustatymo metodas*

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LST L 1960:2004, LST L 1960:2004/P:2008 *Degumo bandymai. Liepsnos plitimo indekso nustatymo metodas ir įvertinimas*

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**TK 25 RIŠAMOSIOS MEDŽIAGOS IR SILIKATINIAI DIRBINIAI**LST EN 12859:2008 *Gipso blokai. Apibrėžtys, reikalavimai ir bandymo metodai*

LST EN 12859:2011

**TK 28 DUJŲ SISTEMOS**LST EN 1949:2002, LST EN 1949:2002/A1:2005 *Buitinių suskystintųjų naftos dujų sistemų įrengimo gyvenamosiose poilsinėse ir kitose kelių transporto priemonėse techniniai reikalavimai*

LST EN 1949:2011

**TK 29 VANDENTVARKA**LST EN 1113:2008 *Santehnikos įtaisai. 1-ojo ir 2-ojo tipo vandens tiekimo sistemų santehnikos įtaisų dušų žarnos. Bendrieji techniniai reikalavimai*

LST EN 1113:2008+A1:2011

**TK 31 AKUSTIKA**LST ISO 3891:2002 *Akustika. Žemės paviršiuje girdimo orlaivių triukšmo aprašymas*

LST ISO 20906:2011

**TK 32 SVEIKATA**LST EN 455-2:2010 *Vienkartinės medicininės pirštinės. 2 dalis. Fizikinių savybių reikalavimai ir tikrinimas*

LST EN 455-2:2009+A1:2011

LST EN ISO 14155-1:2009 *Klinikinis žmonėms skirtų medicinos priemonių tyrimas. 1 dalis. Bendrieji reikalavimai (ISO 14155-1:2003)*

LST EN ISO 14155:2011

LST EN ISO 14155-2:2009 *Klinikinis žmonėms skirtų medicinos priemonių tyrimas. 2 dalis. Klinikinio tyrimo planai (ISO 14155-2:2003)*

LST EN ISO 14155:2011

**TK 34 METROLOGIJA**LST EN 14154-1+A1:2007 *Vandens skaitikliai. 1 dalis. Bendrieji reikalavimai*

LST EN 14154-1:2005+A2:2011

LST EN 14154-2+A1:2007 *Vandens skaitikliai. 2 dalis. Įrengimas ir naudojimo sąlygos*

LST EN 14154-2:2005+A2:2011

LST EN 14154-3+A1:2007 *Vandens skaitikliai. 3 dalis. Bandymo metodai ir įranga*

LST EN 14154-3:2005+A2:2011

**TK 36 APLINKOS APSAUGA**LST ISO 9698:1998 en, LST ISO 9698:2006 lt, LST ISO 9698:1998/P:2006 en *Vandens kokybė. Tričio tūrinio aktyvumo nustatymas. Skysčio scintiliacijos skaičiavimo metodas (tapatus ISO 9698:1989)*

LST ISO 9698:2011

**TK 38 STATYBINĖS KONSTRUKCIJOS**

LST EN 29048:2002 *Pastatų statyba. Jungimo gaminiai. Sandariklių išspaudžiamumo savybių nustatymas standartizuotais aparatais (ISO 9048:1987)*

LST EN ISO 8394-2:2011  
LST EN ISO 8394-2:2011/AC:2011

**TK 39 APSAUGA**

LST CLC/TS 50131-2-3:2006 *Pavojaus signalizavimo sistemos. Įsibrovimo pavojaus signalizavimo sistemos. 2-3 dalis. Reikalavimai, keliami mikrobanginiams detektoriams*

LST EN 50131-2-3:2008

LST CLC/TS 50131-2-5:2006 *Pavojaus signalizavimo sistemos. Įsibrovimo pavojaus signalizavimo sistemos. 2-5 dalis. Reikalavimai, keliami sudėtiniais pasyviems infraraudonosios spinduliuotės ir ultragarsiniams detektoriams*

LST EN 50131-2-5:2008

LST CLC/TS 50131-2-6:2006 *Pavojaus signalizavimo sistemos. Įsibrovimo pavojaus signalizavimo sistemos. 2-6 dalis. Reikalavimai, keliami magnetiniams atjungiamiesiems kontaktams*

LST EN 50131-2-6:2008

**TK 41 SUVIRINIMAS IR MEDŽIAGOTYRA**

LST EN 10002-5:2000 *Metalai. Tempimo bandymas. 5 dalis. Aukštatemperatūrio bandymo metodas*

LST EN ISO 6892-2:2011

LST EN ISO 3580:2008 *Suvirinimo medžiagos. Valkšnumui atsparių plienų rankinio lankinio suvirinimo glaistyti elektrodai. Klasifikacija (ISO 3580:2004)*

LST EN ISO 3580:2011

**TK 43 GELEŽINKELIŲ TRANSPORTAS**

LST EN 13977+A1:2007 *Geležinkelio taikmenys. Geležinkelio kelias. Nešiojamųjų tiesybos ir techninės priežiūros mašinų ir vežimėlių saugos reikalavimai*

LST EN 13977:2011

LST EN 14033-1:2009 *Geležinkelio taikmenys. Geležinkelio kelias. Bėgių tiesimo ir techninės priežiūros mašinos. 1 dalis. Eismo techniniai reikalavimai*

LST EN 14033-1:2011

**TK 44 ALIEJINGOSIOS SĖKLOS, GYVŪNINIAI IR AUGALINIAI RIEBALAI IR ALIEJUS BEI JŲ ŠALUTINIAI PRODUKTAI**

LST EN ISO 3656:2002, LST EN ISO 3656:2003 *Gyvūniniai ir augaliniai riebalai ir aliejus. Ultravioletinės spinduliuotės absorbcijos, išreikštos savitąja UV ekstinkcija, nustatymas (ISO 3656:2002)*

LST EN ISO 3656:2011

LST EN ISO 5509:2001 *Gyvūniniai ir augaliniai riebalai ir aliejus. Riebalų rūgščių metilo esterių ruošimas (ISO 5509:2000)*

LST EN ISO 12966-2:2011

**TK 45 ELEKTROS ENERGETIKA**

LST 1741.1:2002 *Elektriniai pastatų įrenginiai. 1 dalis. Taikymo sritis, tikslas ir pagrindiniai principai (IEC 60364-1:1992, modifikuotas)*

LST HD 60364-1:2008

LST HD 384.1 S2:2003 *Elektriniai pastatų įrenginiai. 1 dalis. Taikymo sritis, tikslas ir pagrindiniai principai (IEC 60364-1:1992, modifikuotas)*

LST HD 60364-1:2008

LST HD 384.3 S2:2003 *Elektriniai pastatų įrenginiai. 3 dalis. Bendrųjų charakteristikų įvertinimas (IEC 60364-3:1993, modifikuotas)*

LST HD 60364-1:2008

**TK 49 LIEJININKYSTĖ**

LST EN 12513:2002 *Liejininkystė. Atsparus dilimui ketus*

LST EN 12513:2011

LST EN 1559-1:2001 *Liejininkystė. Techninės tiekimo sąlygos. 1 dalis. Bendrieji dalykai*

LST EN 1559-1:2011

LST EN 1560:2002 *Liejininkystė. Ketaus žymėjimo sistema. Medžiagų simboliai ir numeriai*

LST EN 1560:2011

LST EN 1560:2005 *Liejininkystė. Ketaus žymėjimo sistema. Medžiagų simboliai ir numeriai*

LST EN 1560:2011

LST EN ISO 3927:2003, LST EN ISO 3927:2003/AC:2009 *Metalo milteliai, išskyrus kietlydinio miltelius. Suspaudžiamumo nustatymas vienašiu suspaudimu (ISO 3927:2001)*

LST EN ISO 3927:2011

LST EN ISO 3953:2000 *Metalo milteliai. Tankio nustatymas (ISO 3953:1993)*

LST EN ISO 3953:2011

**TK 52 OFTALMOLOGINĖ OPTIKA IR LAZERIAI**

LST EN ISO 8624:2002 *Oftalmologinė optika. Akinių rėmeliai. Matavimo sistema ir terminija (ISO 8624:2002)*

LST EN ISO 8624:2011

Netekęs galios Lietuvos standartas

Vietoj jo galioja

**TK 56 NAFTOS PRAMONĖS ĮRENGINIAI**

LST EN 1591-1:2002+A1:2009/AC:2010 <i>Jungėms ir jų jungtys. Jungčių su žiedinėmis jungėmis ir tarpkliais projektavimo taisyklės. 1 dalis. Skaičiavimo metodas</i>	LST EN 1591-1:2002+A1:2009/AC:2011
LST EN ISO 14585:2002, LST EN ISO 14585:2002/AC:2006 <i>Savisiirgiai sraigtai su cilindrine iškilia galvute, turinčia šešiasferinę įdubą (ISO 14585:2001)</i>	LST EN ISO 14585:2011
LST EN ISO 14586:2002 <i>Savisiirgiai sraigtai su įleistine galvute, turinčia šešiasferinę įdubą (ISO 14586:2001)</i>	LST EN ISO 14586:2011
LST EN ISO 14587:2002 <i>Savisiirgiai sraigtai su įleistine iškilia galvute, turinčia šešiasferinę įdubą (ISO 14587:2001)</i>	LST EN ISO 14587:2011

**TK 60 LANGAI IR DURYS**

LST EN 410:2000 <i>Statybinis stiklas. Stiklinių konstrukcijų šviesos ir saulės energijos pralaidumo charakteristikų nustatymas</i>	LST EN 410:2011
LST EN 673:2000, LST EN 673:2000/A1+A2:2003, LST EN 673:2000/P:2006 <i>Statybinis stiklas. Šilumos perdavimo nustatymas (U vertė). Apskaičiavimo metodas</i>	LST EN 673:2011

**TK 66 NEARDOMIEJI BANDYMAI**

LST EN 14127:2004 <i>Neardomieji bandymai. Ultragarso storio matavimas</i>	LST EN 14127:2011
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**TK 70 PLAŠIENA, POPIERIUS, KARTONAS**

LST EN ISO 5264-2:2003 <i>Plaušiena. Laboratorinis smulkinimas. 2 dalis. PFI malimo metodas (ISO 5264-2:2002)</i>	LST EN ISO 5264-2:2011
LST EN ISO 7263:2009 <i>Vidurinis gofruotojo kartono sluoksnis. Laboratorijoje gofruoto kartono atsparumo plokštuminiam gniuždymui nustatymas (ISO 7263:2008)</i>	LST EN ISO 7263:2011

**TK 71 ENERGETIKOS TIKSLAMS TVARIAI PAGAMINTA BIOMASĖ, KIETASIS BOKURAS IR KIETASIS ATGAUTASIS KURAS**

LST CEN/TS 15104:2005 <i>Kietasis biokuras. Suminio anglies, vandenilio ir azoto kiekio nustatymas. Instrumentiniai metodai</i>	LST EN 15104:2011
LST CEN/TS 15105:2005 <i>Kietasis biokuras. Vandenyje tirpaus chloro, natrio ir kalio kiekio nustatymo metodai</i>	LST EN 15105:2011
LST CEN/TS 15289:2007 <i>Kietasis biokuras. Visuminio sieros ir chloro kiekio nustatymas</i>	LST EN 15289:2011
LST CEN/TS 15290:2007 <i>Kietasis biokuras. Pagrindinių elementų nustatymas</i>	LST EN 15290:2011
LST CEN/TS 15296:2006 <i>Kietasis biokuras. Analizės rezultatų skaičiavimas, atsižvelgiant į skirtingas kietojo biokuro būkles</i>	LST EN 15296:2011
LST CEN/TS 15297:2007 <i>Kietasis biokuras. Šalutinių elementų nustatymas</i>	LST EN 15297:2011

**TK 78 MAŠINOS IR ĮRENGINIAI**

LST EN 12463:2004 <i>Maisto gamybos įranga. Pripildymo ir pagalbinės mašinos. Saugos ir higienos reikalavimai</i>	LST EN 12463:2004+A1:2011
LST EN 500-4:2007+A1:2009 <i>Pervežamos kelių tiesybos mašinos. Sauga. 4 dalis. Specialieji tankintuvų reikalavimai</i>	LST EN 500-4:2011
LST EN 746-2:2000, LST EN 746-2:2000/P:2008 <i>Pramoninė terminio apdorojimo įranga. 2 dalis. Saugos reikalavimai, keliami degimo ir kuro tiekimo bei skirstymo sistemoms</i>	LST EN 746-2:2010

**LIETUVOS STANDARTIZACIJOS DEPARTAMENTAS**

LST EN 12953-6:2003 <i>Kaitravamzdžiai katilai. 6 dalis. Katilo įrenginiams keliami reikalavimai</i>	LST EN 12953-6:2011
LST EN 14276-1:2006 <i>Šaldymo sistemų ir šilumos siurblių slėginiai įrenginiai. 1 dalis. Indai. Bendrieji reikalavimai</i>	LST EN 14276-1:2006+A1:2011
LST EN 14276-2:2007 <i>Šaldymo sistemų ir šilumos siurblių slėginiai įrenginiai. 2 dalis. Vamzdynai. Bendrieji reikalavimai</i>	LST EN 14276-2:2007+A1:2011
LST EN ISO 8468:2001 <i>Laivo tiltelio išplanavimas ir su juo susijusi įranga. Reikalavimai ir rekomendacijos (ISO 8468:1990)</i>	

Parengė Dalia Reginiene

## **NETEKSIANTIS GALIOS LIETUVOS STANDARTAS**

Lietuvos standartizacijos departamento Technikos komisijos nutarimu (2011 m. gegužės 27 d. posėdžio protokolas Nr. TKP-15) nuo 2011 m. liepos 1 d. skelbiamas neteksiančiu galios šis Lietuvos standartas.

Neteksiantis galios Lietuvos standartas

Vietoj jo taikyti

LST EN 13919:2003 *Gamtinio akmens bandymo metodai. Atsparumo senėjimui drėgnoje aplinkoje veikiant SO<sub>2</sub> nustatymas*

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Parengė **Jolanta Vėjelienė**

## **SIŪLOMA SKELBTI NETEKSIANČIU GALIOS ORIGINALŪJĮ LIETUVOS STANDARTĄ**

Lietuvos standartizacijos departamento Technikos komisijos nutarimu (2011 m. birželio 3 d. posėdžio protokolas Nr. TKP-16) siūloma skelbti neteksiančiu galios šį originalųjį Lietuvos standartą.

Lietuvos standarto žymuo

Siūlymo pagrindas

LST 1920:2005 *Valgomieji naminių paukščių subproduktai. Bendrieji reikalavimai*

Rekomenduojama taikyti Jungtinių Tautų Europos ekonominės komisijos (JT EEK) standartus ECE/TRADE/355 *Chicken meat – carcasses and parts*, ECE/TRADE/358 *Turkey meat – carcasses and parts* ir *Duck meat – carcasses and parts*, kurių naujausių leidimų tekstus galima rasti JT EEK tinklalapyje adresu [http://www.unece.org/trade/agr/standard/meat/meat\\_e.htm](http://www.unece.org/trade/agr/standard/meat/meat_e.htm).

Dėl išsamesnės informacijos prašom kreiptis į Ramunę Rukšėnienę (tel. (8~5) 270 9361, el. p. [ramune.rukseniene@lsd.lt](mailto:ramune.rukseniene@lsd.lt)).

Pagrįstas pastabas ir pasiūlymus dėl siūlomo skelbti neteksiančiu galios originaliojo Lietuvos standarto prašom siųsti į Lietuvos standartizacijos departamentą elektroniniu paštu [dalia.reginiene@lsd.lt](mailto:dalia.reginiene@lsd.lt), faksu (8 5) 212 6252 arba paštu (T Kosciuškos g. 30, LT-01100 Vilnius) iki 2011 m. rugsėjo 1 d.

Jei iki nurodytos datos nebus gauta pastabų, originalusis Lietuvos standartas nuo 2011 m. lapkričio 2 d. bus skelbiamas netekusiu galios.

Parengė **Ramunė Rukšėnienė**



# TARPTAUTINIŲ IR EUROPOS ĮSTAIGŲ BEI ORGANIZACIJŲ STANDARTAI, KURIUOS DEPARTAMENTAS GAVO GEGUŽĖS MĖN.



## TARPTAUTINĖS STANDARTIZACIJOS ORGANIZACIJOS STANDARTAI

- ISO/CASCO ISO/IEC 17021:2011**  
Conformity assessment - Requirements for bodies providing audit and certification of management systems
- ISO/IEC JTC 1/SC 17 ISO/IEC 24727-4:2008/Cor 1:2011**  
Identification cards - Integrated circuit card programming interfaces - Part 4: Application programming interface (API) administration - Technical Corrigendum 1
- ISO/IEC JTC 1/SC 22 ISO/IEC 16262:2011**  
Information technology - Programming languages, their environments and system software interfaces - ECMAScript language specification
- ISO/IEC JTC 1/SC 23 ISO/IEC 12862:2011**  
Information technology - 120 mm (8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordable disk for dual layer (DVD-R for DL)
- ISO/IEC JTC 1/SC 24 ISO/IEC 18042-4:2006/Amd 1:2011**  
Information technology - Computer graphics and image processing - Spatial Reference Model (SRM) language bindings - Part 4: C - Amendment 1: .
- ISO/IEC JTC 1/SC 27 ISO/IEC 9797-2:2011**  
Information technology - Security techniques - Message Authentication Codes (MACs) - Part 2: Mechanisms using a dedicated hash-function
- ISO/IEC JTC 1/SC 27 ISO/IEC 27005:2011**  
Information technology - Security techniques - Information security risk management
- ISO/IEC JTC 1/SC 28 ISO/IEC 29103:2011**  
Information technology - Office equipment - Colour photo test pages for measurement of ink cartridge yield for colour photo printing
- ISO/IEC JTC 1/SC 29 ISO/IEC 13818-4:2004/Cor 2:2011**  
Information technology - Generic coding of moving pictures and associated audio information - Part 4: Conformance testing - Technical Corrigendum 2
- ISO/IEC JTC 1/SC 29 ISO/IEC 14496-5:2001/Amd 28:2011**  
Information technology - Coding of audio-visual objects - Part 5: Reference software - Amendment 28: Reference software for LAsER adaptation tools
- ISO/IEC JTC 1/SC 29 ISO/IEC 14496-12:2008/Cor 4:2011**  
Information technology - Coding of audio-visual objects - Part 12: ISO base media file format - Technical Corrigendum 4
- ISO/IEC JTC 1/SC 29 ISO/IEC 14496-15:2010/Cor 1:2011**  
Information technology - Coding of audio-visual objects - Part 15: Advanced Video Coding (AVC) file format - Technical Corrigendum 1
- ISO/IEC JTC 1/SC 29 ISO/IEC 14496-25:2011**  
Information technology - Coding of audio-visual objects - Part 25: 3D Graphics Compression Model
- ISO/IEC JTC 1/SC 29 ISO/IEC 14496-26:2010/Cor 3:2011**  
Information technology - Coding of audio-visual objects - Part 26: Audio conformance - Technical Corrigendum 3
- ISO/IEC JTC 1/SC 29 ISO/IEC 15444-12:2008/Cor 4:2011**  
Information technology - JPEG 2000 image coding system - Part 12: ISO base media file format - Technical Corrigendum 4
- ISO/IEC JTC 1/SC 29 ISO/IEC 23000-9:2008/Amd 1:2010/Cor 1:2011**  
Information technology - Multimedia application format (MPEG-A) - Part 9: Digital Multimedia Broadcasting application format - Amendment 1: Conformance and reference software - Technical Corrigendum 1
- ISO/IEC JTC 1/SC 29 ISO/IEC 23005-6:2011**  
Information technology - Media context and control - Part 6: Common types and tools
- ISO/IEC JTC 1/SC 29 ISO/IEC 23006-1:2011**  
Information technology - MPEG extensible middleware (MXM) - Part 1: MXM architecture and technologies
- ISO/IEC JTC 1/SC 31 ISO/IEC 19762-3:2008**  
Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary - Part 3: Radio frequency identification (RFID)
- ISO/IEC JTC 1/SC 35 ISO/IEC 13066-1:2011**  
Information technology - Interoperability with assistive technology (AT) - Part 1: Requirements and recommendations for interoperability
- ISO/IEC JTC 1/SC 36 ISO/IEC TR 24763:2011**  
Information technology - Learning, education and training - Conceptual Reference Model for Competency Information and Related Objects
- ISO/IEC JTC 1/SC 37 ISO/IEC 19784-2:2007/Cor 1:2011**  
Information technology - Biometric application programming interface - Part 2: Biometric archive function provider interface - Technical Corrigendum 1
- ISO/IEC JTC 1/SC 7 ISO/IEC/IEEE 26512:2011**  
Systems and software engineering - Requirements for acquirers and suppliers of user documentation
- ISO/IEC JTC 1/SC 7 ISO/IEC TR 29110-5-1-2:2011**  
Software engineering - Lifecycle profiles for Very Small Entities (VSEs) - Part 5-1-2: Management and engineering guide: Generic profile group: Basic profile
- ISO/TC 2/SC 11 ISO 15071:2011**  
Hexagon bolts with flange - Small series - Product grade A
- ISO/TC 6/SC 2 ISO 3034:2011**  
Corrugated fibreboard - Determination of single sheet thickness
- ISO/TC 12 ISO 80000-9:2009/Amd 1:2011**  
Quantities and units - Part 9: Physical chemistry and molecular physics - Amendment 1
- ISO/TC 17/SC 12 ISO 20805:2011**  
Hot-rolled steel sheet in coils of higher yield strength with improved formability and heavy thickness for cold forming
- ISO/TC 20/SC 14 ISO 24113:2011**  
Space systems - Space debris mitigation requirements

- ISO/TC 20/SC 14 ISO 27026:2011**  
Space systems - Programme management - Breakdown of project management structures
- ISO/TC 21/SC 3 ISO 7240-6:2011**  
Fire detection and alarm systems - Part 6: Carbon monoxide fire detectors using electro-chemical cells
- ISO/TC 21/SC 6 ISO 7203-1:2011**  
Fire extinguishing media - Foam concentrates - Part 1: Specification for low-expansion foam concentrates for top application to water-immiscible liquids
- ISO/TC 21/SC 6 ISO 7203-2:2011**  
Fire extinguishing media - Foam concentrates - Part 2: Specification for medium- and high-expansion foam concentrates for top application to water-immiscible liquids
- ISO/TC 22/SC 22 ISO 11838:1997/Amd 1:2011**  
Motorcycle and motorcycle-rider kinematics - Vocabulary - Amendment 1
- ISO/TC 22/SC 23 ISO 14722:1998/Amd 1:2011**  
Moped and moped-rider kinematics - Vocabulary - Amendment 1
- ISO/TC 29/SC 2 ISO 3860:2011**  
Bore cutters with key drive - Form milling cutters with constant profile
- ISO/TC 29/SC 9 ISO 6462:2011**  
Face and shoulder milling cutters with indexable inserts - Dimensions
- ISO/TC 30/SC 7 ISO 22158:2011**  
Input/output protocols and electronic interfaces for water meters - Requirements
- ISO/TC 31/SC 6 ISO 4250-3:2011**  
Earth-mover tyres and rims - Part 3: Rims
- ISO/TC 34/SC 8 ISO 11287:2011**  
Green tea - Definition and basic requirements
- ISO/TC 35/SC 9 ISO 1518-1:2011**  
Paints and varnishes - Determination of scratch resistance - Part 1: Constant-loading method
- ISO/TC 37/SC 4 ISO 24619:2011**  
Language resource management - Persistent identification and sustainable access (PISA)
- ISO/TC 38/SC 2 ISO 3759:2011**  
Textiles - Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change
- ISO/TC 39/SC 2 ISO 230-10:2011**  
Test code for machine tools - Part 10: Determination of the measuring performance of probing systems of numerically controlled machine tools
- ISO/TC 44/SC 3 ISO 15792-3:2011**  
Welding consumables - Test methods - Part 3: Classification testing of positional capacity and root penetration of welding consumables in a fillet weld
- ISO/TC 44/SC 3 ISO 18275:2011**  
Welding consumables - Covered electrodes for manual metal arc welding of high-strength steels - Classification
- ISO/TC 44/SC 7 ISO 6947:2011**  
Welding and allied processes - Welding positions
- ISO/TC 45/SC 1 ISO 7751:1991/Amd 1:2011**  
Rubber and plastics hoses and hose assemblies - Ratios of proof and burst pressure to maximum working pressure - Amendment 1: Replacement of "design working pressure" by "maximum working pressure" throughout text
- ISO/TC 45/SC 3 ISO 1125:1999/Amd 1:2011**  
Rubber compounding ingredients - Carbon black - Determination of ash - Amendment 1: Insertion of additional item in test report
- ISO/TC 51 ISO 8611-1:2011**  
Pallets for materials handling - Flat pallets - Part 1: Test methods
- ISO/TC 51 ISO 8611-2:2011**  
Pallets for materials handling - Flat pallets - Part 2: Performance requirements and selection of tests
- ISO/TC 51 ISO 8611-3:2011**  
Pallets for materials handling - Flat pallets - Part 3: Maximum working loads
- ISO/TC 54 ISO 3140:2011**  
Oil of sweet orange [*Citrus sinensis* (L.) Osbeck], obtained by physical extraction of the peel
- ISO/TC 59/SC 14 ISO 15686-1:2011**  
Buildings and constructed assets - Service life planning - Part 1: General principles and framework
- ISO/TC 61/SC 2 ISO 6721-1:2011**  
Plastics - Determination of dynamic mechanical properties - Part 1: General principles
- ISO/TC 61/SC 5 ISO 11357-3:2011**  
Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization
- ISO/TC 83/SC 4 ISO 7794:2011**  
Cross-country skis - Ski-binding screws - Requirements
- ISO/TC 83/SC 4 ISO 10228:2011**  
Cross-country skis - Binding mounting area - Requirements for test screws
- ISO/TC 84 ISO 23908:2011**  
Sharps injury protection - Requirements and test methods - Sharps protection features for single-use hypodermic needles, introducers for catheters and needles used for blood sampling
- ISO/TC 85/SC 2 ISO 20785-2:2011**  
Dosimetry for exposures to cosmic radiation in civilian aircraft - Part 2: Characterization of instrument response
- ISO/TC 89 ISO 12460-4:2008/Amd 1:2011**  
Wood-based panels - Determination of formaldehyde release - Part 4: Desiccator method - Amendment 1
- ISO/TC 94/SC 15 ISO/TS 16974:2011**  
Respiratory protective devices - Marking and information supplied by the manufacturer
- ISO/TC 114/SC 6 ISO 23160:2011**  
Watch cases and accessories - Tests of the resistance to wear, scratching and impacts
- ISO/TC 121/SC 3 IEC 60601-1-11:2010/Cor 1:2011**  
Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment - Technical Corrigendum 1
- ISO/TC 123/SC 2 ISO 4384-2:2011**  
Plain bearings - Hardness testing of bearing metals - Part 2: Solid materials
- ISO/TC 130 ISO 12640-4:2011**  
Graphic technology - Prepress digital data exchange - Part 4: Wide gamut display-referred standard colour image data [Adobe RGB (1998)/SCID]
- ISO/TC 138 ISO 11296-3:2009/Cor 1:2011**  
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 3: Lining with close-fit pipes - Technical Corrigendum 1
- ISO/TC 138/SC 4 ISO 21307:2011**  
Plastics pipes and fittings - Butt fusion jointing procedures for polyethylene (PE) pipes and fittings used in the construction of gas and water distribution systems

**ISO/TC 138/SC 6 ISO 25780:2011**

Plastics piping systems for pressure and non-pressure water supply, irrigation, drainage or sewerage - Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin - Pipes with flexible joints intended to be installed using jacking techniques

**ISO/TC 145/SC 2 ISO 7010:2011**

Graphical symbols - Safety colours and safety signs - Registered safety signs

**ISO/TC 146/SC 1 ISO 11057:2011**

Air quality - Test method for filtration characterization of cleanable filter media

**ISO/TC 147/SC 6 ISO 5667-13:2011**

Water quality - Sampling - Part 13: Guidance on sampling of sludges

**ISO/TC 150 ISO 12891-1:2011**

Implants for surgery - Retrieval and analysis of surgical implants - Part 1: Retrieval and handling

**ISO/TC 150/SC 2 ISO 23500:2011**

Guidance for the preparation and quality management of fluids for haemodialysis and related therapies

**ISO/TC 150/SC 2 ISO/TS 12417:2011**

Cardiovascular implants and extracorporeal systems - Vascular device-drug combination products

**ISO/TC 154 ISO/TS 15000-5:2005/Amd 1:2011**

Electronic Business Extensible Markup Language (ebXML) - Part 5: ebXML Core Components Technical Specification, Version 2.01 (ebCCTS) - Amendment 1

**ISO/TC 157 ISO 7439:2011**

Copper-bearing contraceptive intrauterine devices - Requirements and tests

**ISO/TC 172/SC 7 ISO 11979-8:2006/Amd 1:2011**

Ophthalmic implants - Intraocular lenses - Part 8: Fundamental requirements - Amendment 1

**ISO/TC 172/SC 7 ISO 13212:2011**

Ophthalmic optics - Contact lens care products - Guidelines for determination of shelf-life

**ISO/TC 184/SC 1 ISO 22093:2011**

Industrial automation systems and integration - Physical device control - Dimensional Measuring Interface Standard (DMIS)

**ISO/TC 190/SC 3 ISO 11709:2011**

Soil quality - Determination of selected coal-tar-derived phenolic compounds using high performance liquid chromatography (HPLC)

**ISO/TC 201/SC 6 ISO 13084:2011**

Surface chemical analysis - Secondary-ion mass spectrometry - Calibration of the mass scale for a time-of-flight secondary-ion mass spectrometer

**ISO/TC 204 ISO/TS 13143-2:2011**

Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO/TS 12813 - Part 2: Abstract test suite

**ISO/TC 206 ISO 13124:2011**

Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for interfacial bond strength of ceramic materials

**ISO/TC 210 ISO/TS 19218-1:2011**

Medical devices - Hierarchical coding structure for adverse events - Part 1: Event-type codes

**ISO/TC 213 ISO 8015:2011**

Geometrical product specifications (GPS) - Fundamentals - Concepts, principles and rules

**ISO/TC 213 ISO 10360-7:2011**

Geometrical product specifications (GPS) - Acceptance and reverification tests for coordinate measuring machines (CMM) - Part 7: CMMs equipped with imaging probing systems

**ISO/TC 213 ISO 16610-21:2011**

Geometrical product specifications (GPS) - Filtration - Part 21: Linear profile filters: Gaussian filters

**ISO/TC 221 ISO 10769:2011**

Clay geosynthetic barriers - Determination of water absorption of bentonite

**ISO/TC 221 ISO 10773:2011**

Clay geosynthetic barriers - Determination of permeability to gases

**ISO/TC 229 ISO/TR 13121:2011**

Nanotechnologies - Nanomaterial risk evaluation

**ISO/TMB ISO/IEC 80079-34:2011**

Explosive atmospheres - Part 34: Application of quality systems for equipment manufacture

**IULTCS ISO 17226-3:2011**

Leather - Chemical determination of formaldehyde content - Part 3: Determination of formaldehyde emissions from leather



## TARPTAUTINĖS ELEKTROTECHNIKOS KOMISIJOS STANDARTAI

- TC 2 IEC 60034-16-1:2011**  
Rotating electrical machines - Part 16-1: Excitation systems for synchronous machines – Definitions
- TC 9 IEC 62520:2011**  
Railway applications - Electric traction - Short-primary type linear induction motors (LIM) fed by power converters
- TC 15 IEC 60893-3-2-am1:2011**  
Amendment 1 - Insulating materials - Industrial rigid laminated sheets based on thermosetting resins for electrical purposes - Part 3-2: Specifications for individual materials - Requirements for rigid laminated sheets based on epoxy resins
- TC 17 IEC 60947-4-2:2011**  
Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters
- TC 17 IEC 60947-8-am2 :2011**  
Amendment 2 - Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines
- TC 18 IEC 60092-509:2011**  
Electrical installations in ships - Part 509: Operation of electrical installations
- TC 21 IEC 61951-2:2011**  
Secondary cells and batteries containing alkaline or other non-acid electrolytes - Portable sealed rechargeable single cells - Part 2: Nickel-metal hydride
- TC 23 IEC 60906-2:2011**  
IEC system of plugs and socket-outlets for household and similar purposes - Part 2: Plugs and socket-outlets 15 A 125 V a.c. and 20 A 125 V a.c.
- TC 23 IEC 61534-1:2011**  
Powertrack systems - Part 1: General requirements
- TC 26 IEC 60974-12:2011**  
Arc welding equipment - Part 12: Coupling devices for welding cables
- TC 26 IEC 60974-13:2011**  
Arc welding equipment - Part 13: Welding clamp
- TC 27 IEC 61307:2011**  
Industrial microwave heating installations - Test methods for the determination of power output
- TC 31 IEC 60079-35-1:2011**  
Explosive atmospheres - Part 35-1: Caplights for use in mines susceptible to firedamp - General requirements - Construction and testing in relation to the risk of explosion
- TC 34 IEC 60929:2011**  
AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements
- TC 34 IEC 61347-2-3:2011**  
Lamp control gear - Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps
- TC 47 IEC 60749-30-am1:2011**  
Amendment 1 - Semiconductor devices - Mechanical and climatic test methods - Part 30: Preconditioning of non-hermetic surface mount devices prior to reliability testing
- TC 47 IEC 62258-2:2011**  
Semiconductor die products - Part 2: Exchange data formats
- TC 48 IEC 60512-26-100:2011**  
Connectors for electronic equipment - Tests and measurements - Part 26-100: Measurement setup, test and reference arrangements and measurements for connectors according to IEC 60603-7 - Tests 26a to 26g
- TC 49 IEC 61837-2:2011**  
Surface mounted piezoelectric devices for frequency control and selection - Standard outlines and terminal lead connections - Part 2: Ceramic enclosures
- TC 61 IEC 60335-2-37-am2:2011**  
Amendment 2 - Household and similar electrical appliances - Safety - Part 2-37: Particular requirements for commercial electric doughnut fryers and deep fat fryers
- TC 62 IEC 60601-2-34:2011**  
Medical electrical equipment - Part 2-34: Particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment
- TC 77 IEC 61000-3-12:2011**  
Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase
- TC 77 IEC 61000-4-16:2011**  
Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz
- TC 77 IEC/TR 61000-2-5:2011**  
Electromagnetic compatibility (EMC) - Part 2-5: Environment - Description and classification of electromagnetic environments
- TC 86 IEC 61300-3-45:2011**  
Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-45: Examinations and measurements - Attenuation of random mated multi-fibre connectors
- TC 86 IEC 62129-2:2011**  
Calibration of wavelength/optical frequency measurement instruments - Part 2: Michelson interferometer single wavelength meters
- TC 86 IEC/TR 62048:2011**  
Optical fibres - Reliability - Power law theory
- TC 93 IEC 61691-1-1:2011**  
Behavioural languages - Part 1-1: VHDL Language Reference Manual
- TC 93 IEC 62530:2011**  
SystemVerilog - Unified Hardware Design, Specification, and Verification Language
- TC 94 IEC 61812-1:2011**  
Time relays for industrial and residential use - Part 1: Requirements and tests
- TC 106 IEC 62232:2011**  
Determination of RF field strength and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure
- TC 106 IEC/TR 62669:2011**  
Case studies supporting IEC 62232 - Determination of RF field strength and SAR in the vicinity of radiocommunication base stations for the purpose of evaluating human exposure



## RATIFIKUOTI EUROPOS STANDARTIZACIJOS KOMITETO STANDARTAI

Ratifikuoti Europos standartai neturi Europos standartų statuso, jei jie neperimti kaip Lietuvos standartai.

- ASD/CENTR EN 4660-005:2011**  
Aerospace series - Modular and Open Avionics Architectures - Part 005: Software
- ASD/ELEC EN 2997-001:2011**  
Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 001: Technical specification
- ASD/ELEC EN 2997-015:2011**  
Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 015: Jam-nut mounted receptacle with integrated accessory - Product standard
- ASD/ELEC EN 3475-603:2011**  
Aerospace series - Cables, electrical, aircraft use - Test methods - Part 603: Resistance to wet arc tracking
- ASD/ELEC EN 4641-301:2011**  
Aerospace series - Cables, optical 125 µm diameter cladding - Part 301: Tight structure 50/125 µm GI fibre nominal 1,8 mm outside diameter - Product standard
- ASD-STAN EN 2757:2011**  
Aerospace series - Structural adhesives system - Test method - Determination of the drying and ignition residues of primers
- ASD-STAN EN 2997-001:2011**  
Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 001: Technical specification
- ASD-STAN EN 2997-015:2011**  
Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 015: Jam-nut mounted receptacle with integrated accessory - Product standard
- ASD-STAN EN 3280:2011**  
Aerospace series - Bearings, airframe rolling, rigid or self-aligning - Technical specification
- ASD-STAN EN 3475-603:2011**  
Aerospace series - Cables, electrical, aircraft use - Test methods - Part 603: Resistance to wet arc tracking
- ASD-STAN EN 4160:2011**  
Aerospace series - Paints and varnishes - Determination of the effect of thermal exposure
- ASD-STAN EN 4476:2011**  
Aerospace series - Paints and varnishes - Cold curing intermediate coat
- ASD-STAN EN 4641-301:2011**  
Aerospace series - Cables, optical 125 µm diameter cladding - Part 301: Tight structure 50/125 µm GI fibre nominal 1,8 mm outside diameter - Product standard
- ASD-STAN EN 4660-005:2011**  
Aerospace series - Modular and Open Avionics Architectures - Part 005: Software
- CEN/SS N99 CEN/TR 16208:2011**  
Biobased products - Overview of standards
- CEN/TC 33 EN 1627:2011**  
Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification
- CEN/TC 33 EN 1628:2011**  
Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under static loading
- CEN/TC 33 EN 1629:2011**  
Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under dynamic loading
- CEN/TC 33 EN 1630:2011**  
Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts
- CEN/TC 112 EN 13353:2008+A1:2011**  
Solid wood panels (SWP) - Requirements
- CEN/TC 121 EN ISO 6947:2011**  
Welding and allied processes - Welding positions (ISO 6947:2011)
- CEN/TC 121 EN ISO 15792-3:2011**  
Welding consumables - Test methods - Part 3: Classification testing of positional capacity and root penetration of welding consumables in a fillet weld (ISO 15792-3:2011)
- CEN/TC 125 EN 771-1:2011**  
Specification for masonry units - Part 1: Clay masonry units
- CEN/TC 125 EN 771-2:2011**  
Specification for masonry units - Part 2: Calcium silicate masonry units
- CEN/TC 125 EN 771-3:2011**  
Specification for masonry units - Part 3: Aggregate concrete masonry units (Dense and lightweight aggregates)
- CEN/TC 125 EN 771-4:2011**  
Specification for masonry units - Part 4: Autoclaved aerated concrete masonry units
- CEN/TC 125 EN 771-5:2011**  
Specification for masonry units - Part 5: Manufactured stone masonry units
- CEN/TC 125 EN 771-6:2011**  
Specification for masonry units - Part 6: Natural stone masonry units
- CEN/TC 125 EN 772-11:2011**  
Methods of test for masonry units - Part 11: Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units
- CEN/TC 125 EN 772-16:2011**  
Methods of test for masonry units - Part 16: Determination of dimensions

- CEN/TC 125 EN 772-18:2011**  
Methods of test for masonry units - Part 18: Determination of freeze-thaw resistance of calcium silicate masonry units
- CEN/TC 125 EN 772-21:2011**  
Methods of test for masonry units - Part 21: Determination of water absorption of clay and calcium silicate masonry units by cold water absorption
- CEN/TC 125 EN 772-1:2011**  
Methods of test for masonry units - Part 1: Determination of compressive strength
- CEN/TC 155 EN 1555-4:2011**  
Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 4: Valves
- CEN/TC 155 EN ISO 11296-3:2011**  
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 3: Lining with close-fit pipes (ISO 11296-3:2009/ Cor 1:2011)
- CEN/TC 165 EN 13508-2:2003+A1:2011**  
Investigation and assessment of drain and sewer systems outside buildings - Part 2: Visual inspection coding system
- CEN/TC 170 EN ISO 11979-8:2009/A1:2011**  
Ophthalmic implants - Intraocular lenses - Part 8: Fundamental requirements - Amendment 1 (ISO 11979-8:2006/Amd 1:2011)
- CEN/TC 170 EN ISO 13212:2011**  
Ophthalmic optics - Contact lens care products - Guidelines for determination of shelf-life (ISO 13212:2011)
- CEN/TC 175 EN 13228:2011**  
Wood flooring - Solid wood overlay flooring elements including blocks with an interlocking system
- CEN/TC 175 EN 13647:2011**  
Wood flooring and wood panelling and cladding - Determination of geometrical characteristics
- CEN/TC 191 EN 12101-7:2011**  
Smoke and heat control systems - Part 7: Smoke duct sections
- CEN/TC 191 EN 12101-8:2011**  
Smoke and heat control systems - Part 8: Smoke control dampers
- CEN/TC 193 EN 1965-1:2011**  
Structural adhesives - Corrosion - Part 1: Determination and classification of corrosion to a copper substrate
- CEN/TC 193 EN 1965-2:2011**  
Structural adhesives - Corrosion - Part 2: Determination and classification of corrosion to a brass substrate
- CEN/TC 193 EN 12705:2011**  
Adhesives for leather and footwear materials - Determination of colour change of white or bright coloured leather surfaces by migration
- CEN/TC 193 EN 14869-1:2011**  
Structural adhesives - Determination of shear behaviour of structural bonds - Part 1: Torsion test method using butt-bonded hollow cylinders (ISO 11003-1:2001, modified)
- CEN/TC 193 EN 14869-2:2011**  
Structural adhesives - Determination of shear behaviour of structural bonds - Part 2: Thick adherends shear test (ISO 11003-2:2001, modified)
- CEN/TC 207 EN 527-1:2011**  
Office furniture - Work tables and desks - Part 1: Dimensions
- CEN/TC 207 EN 15185:2011**  
Furniture - Assessment of the surface resistance to abrasion
- CEN/TC 213 EN 15895:2011**  
Cartridge operated hand-held tools - Safety requirements - Fixing and hard marking tools
- CEN/TC 218 EN ISO 1825:2011**  
Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling - Specification (ISO 1825:2010)
- CEN/TC 218 EN ISO 3994:2011**  
Plastics hoses - Helical-thermoplastic-reinforced thermoplastics hoses for suction and discharge of aqueous materials - Specification (ISO 3994:2007)
- CEN/TC 218 EN ISO 7751:1997/A1:2011**  
Rubber and plastics hoses and hose assemblies - Ratios of proof and burst pressure to maximum working pressure - Amendment 1 - Replacement of "design working pressure" by "maximum working pressure" throughout text (ISO 7751:1991/ Amd 1:2011)
- CEN/TC 218 EN ISO 8331:2011**  
Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance (ISO 8331:2007)
- CEN/TC 239 EN 13976-1:2011**  
Rescue systems - Transportation of incubators - Part 1: Interface conditions
- CEN/TC 239 EN 13976-2:2011**  
Rescue systems - Transportation of incubators - Part 2: System requirements
- CEN/TC 248 EN ISO 3759:2011**  
Textiles - Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change (ISO 3759:2011)
- CEN/TC 249 EN ISO 6721-1:2011**  
Plastics - Determination of dynamic mechanical properties - Part 1: General principles (ISO 6721-1:2011)
- CEN/TC 256 EN 14535-1:2005+A1:2011**  
Railway applications - Brake discs for railway rolling stock - Part 1: Brake discs pressed or shrunk onto the axle or drive shaft, dimensions and quality requirements
- CEN/TC 256 EN 15220-1:2008+A1:2011**  
Railway applications - Brake indicators - Part 1: Pneumatically operated brake indicators
- CEN/TC 256 EN 15595:2009+A1:2011**  
Railway applications - Braking - Wheel slide protection
- CEN/TC 262 EN ISO 28706-1:2011**  
Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 1: Determination of resistance to chemical corrosion by acids at room temperature (ISO 28706-1:2008)
- CEN/TC 262 EN ISO 28706-2:2011**  
Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 2: Determination of resistance to chemical corrosion by boiling acids, boiling neutral liquids and/or their vapours (ISO 28706-2:2008)
- CEN/TC 262 EN ISO 28706-3:2011**  
Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 3: Determination of resistance to chemical corrosion by alkaline liquids using a hexagonal vessel (ISO 28706-3:2008)
- CEN/TC 262 EN ISO 28706-4:2011**  
Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 4: Determination of resistance to chemical corrosion by alkaline liquids using a cylindrical vessel (ISO 28706-4:2008)

- CEN/TC 264 EN 15980:2011**  
Air quality - Determination of the deposition of benz[a]anthracene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene and indeno[1,2,3-cd]pyrene
- CEN/TC 278 CEN ISO/TS 13143-2:2011**  
Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO/TS 12813 - Part 2: Abstract test suite (ISO/TS 13143-2:2011)
- CEN/TC 278 CEN/TS 15213-6:2011**  
Road transport and traffic telematics - After-theft services for the recovery of stolen vehicles - Part 6: Test procedures
- CEN/TC 278 CEN/TS 15531-4:2011**  
Public transport - Service interface for real-time information relating to public transport operations - Part 4: Functional service interfaces: Facility Monitoring
- CEN/TC 286 EN 14894:2011**  
LPG equipment and accessories - Cylinder and drum marking
- CEN/TC 287 EN ISO 19119:2006/A1:2011**  
Geographic information - Services - Amendment 1: Extensions of the service metadata model (ISO 19119:2005/AMD 1:2008)
- CEN/TC 289 EN 15987:2011**  
Leather - Terminology - Key definitions for the leather trade
- CEN/TC 289 EN ISO 17226-3:2011**  
Leather - Chemical determination of formaldehyde content - Part 3: Determination of formaldehyde emissions from leather (ISO 17226-3:2011)
- CEN/TC 292 CEN/TR 16130:2011**  
Characterization of waste - On-site verification
- CEN/TC 353 EN 15981:2011**  
European Learner Mobility - Achievement information (EuroLMAI)
- CEN/WS 060 CWA 16308:2011**  
Framework for consumer rental conditions
- CEN/WS GEN EN 4660-005:2011**  
Aerospace series - Modular and Open Avionics Architectures - Part 005: Software



## RATIFIKUOTI EUROPOS ELEKTROTECHNIKOS STANDARTIZACIJOS KOMITETO STANDARTAI

Ratifikuoti Europos standartai neturi Europos standartų statuso, jei jie neperimti kaip Lietuvos standartai.

- CLC/SR 32B EN 60269-6:2011**  
Low-voltage fuses - Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems (IEC 60269-6:2010 + corrigendum Dec. 2010)
- CLC/SR 34A EN 61167:2011**  
Metal halide lamps - Performance specification (IEC 61167:2011)
- CLC/SR 34A EN 62532:2011**  
Fluorescent induction lamps - Safety specifications (IEC 62532:2011)
- CLC/SR 46F EN 61169-39:2011**  
Radio-frequency connectors - Part 39: Sectional specification for CQM series quick lock RF connectors (IEC 61169-39:2009)
- CLC/SR 46F EN 61169-40:2011**  
Radio-frequency connectors - Part 40: Sectional specification for 2.4 series RF connectors (IEC 61169-40:2010)
- CLC/SR 47F EN 62047-8:2011**  
Semiconductor devices - Micro-electromechanical devices - Part 8: Strip bending test method for tensile property measurement of thin films (IEC 62047-8:2011)
- CLC/SR 65B EN 60534-2-1:2011**  
Industrial-process control valves - Part 2-1: Flow capacity - Sizing equations for fluid flow under installed conditions (IEC 60534-2-1:2011)
- CLC/SR 86C EN 62343-2:2011**  
Dynamic modules - Part 2: Reliability qualification (IEC 62343-2:2011)
- CLC/SR 100 EN 62571:2011**  
Digital audiobook file format and player requirements (IEC 62571:2011)
- CLC/SR 100 EN 62574:2011**  
Audio, video and multimedia systems - General channel assignment of multichannel audio
- CLC/SR 100 EN 62637-1:2011**  
Battery charging interface for small handheld multimedia devices - Part 1: 2 mm barrel interface (IEC 62637-1:2011)
- CLC/SR 100 EN 62637-2:2011**  
Battery charging interface for small handheld multimedia devices - Part 2: 2 mm barrel type interface conformance testing (IEC 62637-2:2011)
- CLC/TC 106X EN 50527-2-1:2011**  
Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices - Part 2-1: Specific assessment for workers with cardiac pacemakers
- CLC/TC 20 EN 50525-1:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 1: General requirements
- CLC/TC 20 EN 50525-2-11:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-11: Cables for general applications - Flexible cables with thermoplastic PVC insulation
- CLC/TC 20 EN 50525-2-12:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-12: Cables for general applications - Cables with thermoplastic PVC insulation for extensible leads
- CLC/TC 20 EN 50525-2-21:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-21: Cables for general applications - Flexible cables with crosslinked elastomeric insulation
- CLC/TC 20 EN 50525-2-22:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-22: Cables for general applications - High flexibility braided cables with crosslinked elastomeric insulation
- CLC/TC 20 EN 50525-2-31:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-31: Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation
- CLC/TC 20 EN 50525-2-41:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-41: Cables for general applications - Single core cables with crosslinked silicone rubber insulation
- CLC/TC 20 EN 50525-2-42:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-42: Cables for general applications - Single core non-sheathed cables with crosslinked EVA insulation
- CLC/TC 20 EN 50525-2-51:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-51: Cables for general applications - Oil resistant control cables with thermoplastic PVC insulation
- CLC/TC 20 EN 50525-2-71:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-71: Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation
- CLC/TC 20 EN 50525-2-72:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-72: Cables for general applications - Flat divisible cables (cords) with thermoplastic PVC insulation
- CLC/TC 20 EN 50525-2-81:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U<sub>0</sub>/U) - Part 2-81: Cables for general applications - Cables with crosslinked elastomeric covering for arc welding



- CLC/TC 20 EN 50525-2-82:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 2-82: Cables for general applications - Cables with crosslinked elastomeric insulation for decorative chains
- CLC/TC 20 EN 50525-2-83:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 2-83: Cables for general applications - Multicore cables with crosslinked silicone rubber insulation
- CLC/TC 20 EN 50525-3-11:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 3-11: Cables with special fire performance - Flexible cables with halogen-free thermoplastic insulation, and low emission of smoke
- CLC/TC 20 EN 50525-3-21:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 3-21: Cables with special fire performance - Flexible cables with halogen-free crosslinked insulation, and low emission of smoke
- CLC/TC 20 EN 50525-3-31:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 3-31: Cables with special fire performance - Single core non-sheathed cables with halogen-free thermoplastic insulation, and low emission of smoke
- CLC/TC 20 EN 50525-3-41:2011**  
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 3-41: Cables with special fire performance - Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke
- CLC/TC 215 EN 50173-1:2011**  
Information technology - Generic cabling systems - Part 1: General requirements
- CLC/TC 215 EN 50173-4:2007/A1:2010/AC:2011**  
Information technology - Generic cabling systems - Part 4: Homes
- CLC/TC 215 EN 50173-5:2007/A1:2010/AC:2011**  
Information technology - Generic cabling systems - Part 5: Data centres
- CLC/TC 215 EN 50174-2:2009/A1:2011/AC:2011**  
Information technology - Cabling installation - Part 2: Installation planning and practices inside buildings
- CLC/TC 34Z EN 60400:2008/A1:2011**  
Lampholders for tubular fluorescent lamps and starterholders (IEC 60400:2008/A1:2011)
- CLC/TC 34Z EN 60598-2-3:2003/A1:2011**  
Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting (IEC 60598-2-3:2002/A1:2011)
- CLC/TC 34Z EN 61184:2008/A1:2011**  
Bayonet lampholders (IEC 61184:2008/A1:2011)
- CLC/TC 59X EN 50564:2011**  
Electrical and electronic household and office equipment - Measurement of low power consumption (IEC 62301:2011, modified)
- CLC/TC 76 EN 60825-4:2006/A2:2011**  
Safety of laser products - Part 4: Laser guards (IEC 60825-4:2006/A2:2011)
- CLC/TC 81X EN 50536:2011**  
Protection against lightning - Thunderstorm warning systems
- CLC/TC 86A EN 60793-2-10:2011**  
Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres (IEC 60793-2-10:2011)
- CLC/TC 86BXA EN 50377-7-4:2011**  
Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 7-4: LC-PC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre with full zirconia ferrule for category C
- CLC/TC 86BXA EN 61300-1:2011**  
Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance (IEC 61300-1:2011)
- CLC/TC 86BXA EN 61300-2-5:2011**  
Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion (IEC 61300-2-5:2009)
- CLC/TC 86BXA EN 61753-141-2:2011**  
Fibre optic interconnecting devices and passive components - Performance standard - Part 141-2: Fibre optic passive chromatic dispersion compensator using single-mode dispersion compensating fibre for category C - Controlled environments



## RATIFIKUOTI EUROPOS TELEKOMUNIKACIJŲ STANDARTŲ INSTITUTO STANDARTAI

Ratifikuoti Europos standartai neturi Europos standartų statuso, jei jie neperimti kaip Lietuvos standartai.

### ETSI EN 301 908-1 V5.2.1 (2011-05)

IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 1: Introduction and common requirements

### ETSI EN 301 908-13 V5.2.1 (2011-05)

IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

### ETSI EN 301 908-14 V5.2.1 (2011-05)

IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)

### ETSI EN 302 729-1 V1.1.2 (2011-05)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Level Probing Radar (LPR) equipment operating in the frequency ranges 6 GHz to 8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz; Part 1: Technical characteristics and test methods

### ETSI EN 302 729-2 V1.1.2 (2011-05)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Level Probing Radar (LPR) equipment operating in the frequency ranges 6 GHz to 8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

### ETSI EN 302 885-1 V1.1.1 (2011-05)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class D DSC; Part 1: Technical characteristics and methods of measurement

### ETSI ES 202 784 V1.2.1 (2011-05)

Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Advanced Parameterization

### ETSI ES 202 785 V1.2.1 (2011-05)

Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; TTCN-3 Language Extensions: Behaviour Types

### ETSI TR 101 190 V1.3.2 (2011-05)

Digital Video Broadcasting (DVB); Implementation guidelines for DVB terrestrial services; Transmission aspects

### ETSI TR 101 533-2 V1.1.1 (2011-05)

Electronic Signatures and Infrastructures (ESI) Information Preservation Systems Security; Part 2: Guidelines for Assessors

### ETSI TR 101 562 V1.1.1 (2011-05)

PowerLine Telecommunications (PLT); MIMO PLT Universal Coupler, Operating Instructions - Description

### ETSI TR 102 678 V1.2.1 (2011-05)

Speech and multimedia Transmission Quality (STQ); QoS Parameter Measurements based on fixed Data Transfer Times

### ETSI TR 102 719 V1.1.1 (2011-05)

Speech and multimedia Transmission Quality (STQ); Perceptual Impact of End-to-End Delay and End-to-End Delay Variation on Fax-over-IP (FoIP) and Modem-over-IP (MoIP).

### ETSI TR 102 988 V1.1.1 (2011-05)

Media Content Distribution (MCD); Programme guide information distribution, situation and perspective

### ETSI TR 102 989 V1.1.1 (2011-05)

Media Content Distribution (MCD); Subtitles distribution, situation and perspectives

### ETSI TR 103 657 V1.1.1 (2011-05)

Lawful Interception (LI); Retained data handling; System Architecture and Internal Interfaces

### ETSI TR 121 902 V10.0.0 (2011-04)

Universal Mobile Telecommunications System (UMTS); LTE; Evolution of 3GPP system (3GPP TR 21.902 version 10.0.0 Release 10)

### ETSI TR 122 903 V10.0.0 (2011-05)

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Study on Videotelephony teleservice (3GPP TR 22.903 version 10.0.0 Release 10)

### ETSI TR 122 908 V10.0.0 (2011-05)

Universal Mobile Telecommunications System (UMTS); LTE; Study on Paging Permission with Access Control (PPAC) (3GPP TR 22.908 version 10.0.0 Release 10)

### ETSI TR 122 912 V10.0.0 (2011-05)

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Study into network selection requirements for non-3GPP access (3GPP TR 22.912 version 10.0.0 Release 10)

### ETSI TR 122 934 V10.0.0 (2011-05)

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking (3GPP TR 22.934 version 10.0.0 Release 10)

### ETSI TR 122 935 V10.0.0 (2011-05)

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study on Location Services (LCS) for Wireless Local Area Network (WLAN) interworking (3GPP TR 22.935 version 10.0.0 Release 10)

### ETSI TR 122 936 V10.0.0 (2011-05)

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Multi-system terminals (3GPP TR 22.936 version 10.0.0 Release 10)

### ETSI TR 122 937 V10.0.0 (2011-05)

Universal Mobile Telecommunications System (UMTS); LTE; Requirements for service continuity between mobile and Wireless Local Area Network (WLAN) networks (3GPP TR 22.937 version 10.0.0 Release 10)

### ETSI TR 122 940 V10.0.0 (2011-05)

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) messaging; Stage 1 (3GPP TR 22.940 version 10.0.0 Release 10)

### ETSI TR 122 942 V10.0.0 (2011-05)

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Study on Value Added Services (VAS) for Short Message Service (SMS) (3GPP TR 22.942 version 10.0.0 Release 10)

### ETSI TR 122 944 V10.0.0 (2011-05)

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS);

- LTE; Report on service requirements for UE functionality split (3GPP TR 22.944 version 10.0.0 Release 10)
- ETSI TR 122 947 V10.0.0 (2011-04)**  
Universal Mobile Telecommunications System (UMTS); Study on Personal Broadcast Service (PBS) (3GPP TR 22.947 version 10.0.0 Release 10)
- ETSI TR 122 948 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Study of requirements of IP-Multimedia Subsystem (IMS) convergent multimedia conferencing (3GPP TR 22.948 version 10.0.0 Release 10)
- ETSI TR 122 949 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Study on a generalized privacy capability (3GPP TR 22.949 version 10.0.0 Release 10)
- ETSI TR 122 950 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Priority service feasibility study (3GPP TR 22.950 version 10.0.0 Release 10)
- ETSI TR 122 951 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Service aspects and requirements for network sharing (3GPP TR 22.951 version 10.0.0 Release 10)
- ETSI TR 122 952 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Priority service guide (3GPP TR 22.952 version 10.0.0 Release 10)
- ETSI TR 122 953 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia priority service feasibility study (3GPP TR 22.953 version 10.0.0 Release 10)
- ETSI TR 122 967 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Transferring of emergency call data (3GPP TR 22.967 version 10.0.0 Release 10)
- ETSI TR 122 968 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Study for requirements for a Public Warning System (PWS) service (3GPP TR 22.968 version 10.0.0 Release 10)
- ETSI TR 122 973 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IMS Multimedia Telephony service; and supplementary services (3GPP TR 22.973 version 10.0.0 Release 10)
- ETSI TR 122 977 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Feasibility study for speech-enabled services (3GPP TR 22.977 version 10.0.0 Release 10)
- ETSI TR 122 978 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; All-IP network (AIPN) feasibility study (3GPP TR 22.978 version 10.0.0 Release 10)
- ETSI TR 122 979 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)
- ETSI TR 122 980 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Network composition feasibility study (3GPP TR 22.980 version 10.0.0 Release 10)
- ETSI TR 122 982 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Study of Customized Alerting Tone (CAT) requirements (3GPP TR 22.982 version 10.0.0 Release 10)
- ETSI TR 122 983 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Services alignment and migration (3GPP TR 22.983 version 10.0.0 Release 10)
- ETSI TR 122 985 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); Service requirements for the User Data Convergence (UDC) (3GPP TR 22.985 version 10.0.0 Release 10)
- ETSI TR 122 986 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); Study on Service Specific Access Control (3GPP TR 22.986 version 10.0.0 Release 10)
- ETSI TR 122 987 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Study of haptic services requirements (3GPP TR 22.987 version 10.0.0 Release 10)
- ETSI TR 123 924 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); Feasibility study on Non-Access Stratum (NAS) node selection function above Base Station Controller (BSC) / Radio Network Controller (RNC) (3GPP TR 23.924 version 10.0.0 Release 10)
- ETSI TR 125 906 V10.0.0 (2011-05)**  
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 10.0.0 Release 10)
- ETSI TR 125 914 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); Measurements of radio performances for UMTS terminals in speech mode (3GPP TR 25.914 version 10.0.0 Release 10)
- ETSI TR 125 942 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); Radio Frequency (RF) system scenarios (3GPP TR 25.942 version 10.0.0 Release 10)
- ETSI TR 125 943 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); Deployment aspects (3GPP TR 25.943 version 10.0.0 Release 10)
- ETSI TR 125 951 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); FDD Base Station (BS) classification (3GPP TR 25.951 version 10.0.0 Release 10)
- ETSI TR 125 956 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis (3GPP TR 25.956 version 10.0.0 Release 10)
- ETSI TR 125 963 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); Feasibility study on interference cancellation for UTRA FDD User Equipment (UE) (3GPP TR 25.963 version 10.0.0 Release 10)

**ETSI TR 125 967 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Home Node B (HNB) Radio Frequency (RF) requirements (FDD) (3GPP TR 25.967 version 10.0.0 Release 10)

**ETSI TR 125 968 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); 1.28 Mcps TDD Home NodeB Radio Frequency (RF) (3GPP TR 25.968 version 10.0.0 Release 10)

**ETSI TR 125 993 V10.0.0 (2011-05)**

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 10.0.0 Release 10)

**ETSI TR 129 909 V10.0.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Diameter-based protocols usage and recommendations in 3GPP (3GPP TR 29.909 version 10.0.1 Release 10)

**ETSI TR 129 994 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TR 131 900 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; SIM/USIM internal and external interworking aspects (3GPP TR 31.900 version 10.0.0 Release 10)

**ETSI TR 134 926 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment (3GPP TR 34.926 version 10.0.0 Release 10)

**ETSI TR 136 902 V9.3.1 (2011-05)**

Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Self-configuring and self-optimizing network (SON) use cases and solutions (3GPP TR 36.902 version 9.3.1 Release 9)

**ETSI TR 136 913 V10.0.0 (2011-04)**

Requirements for further advancements for Evolved Universal Terrestrial Radio Access (E-UTRA) (LTE-Advanced) (3GPP TR 36.913 version 10.0.0 Release 10)

**ETSI TR 141 031 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Fraud Information Gathering System (FIGS); Service requirements; Stage 0 (3GPP TR 41.031 version 10.0.0 Release 10)

**ETSI TR 141 033 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Lawful Interception requirements for GSM (3GPP TR 41.033 version 10.0.0 Release 10)

**ETSI TR 143 058 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs) (3GPP TR 43.058 version 10.0.0 Release 10)

**ETSI TR 146 055 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Performance characterization of the GSM Enhanced Full Rate (EFR) speech codec (3GPP TR 46.055 version 10.0.0 Release 10)

**ETSI TR 146 076 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Adaptive Multi-Rate (AMR) speech codec; Study phase report (3GPP TR 46.076 version 10.0.0 Release 10)

**ETSI TR 146 085 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TR 155 919 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TR 182 030 V3.1.1 (2011-05)**

Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); NGN based IPTV mapping or interconnect between IPTV systems

**ETSI TR 187 015 V3.1.1 (2011-05)**

Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Prevention of Unsolicited Communication in the NGN

**ETSI TS 101 162 V1.4.1 (2011-05)**

Digital Video Broadcasting (DVB); Allocation of identifiers and codes for Digital Video Broadcasting (DVB) systems

**ETSI TS 101 220 V10.3.0 (2011-05)**

Smart Cards; ETSI numbering system for telecommunication application providers (Release 10)

**ETSI TS 101 533-1 V1.1.1 (2011-05)**

Electronic Signatures and Infrastructures (ESI); Information Preservation Systems Security; Part 1: Requirements for Implementation and Management

**ETSI TS 101 671 V3.7.1 (2011-05)**

Lawful Interception (LI); Handover interface for the lawful interception of telecommunications traffic

**ETSI TS 102 223 V10.3.0 (2011-05)**

Smart Cards; Card Application Toolkit (CAT) (Release 10)

**ETSI TS 102 232-1 V2.6.1 (2011-05)**

Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 1: Handover specification for IP delivery

**ETSI TS 102 241 V8.2.0 (2011-05)**

Smart Cards; UICC Application Programming Interface (UICC API) for Java Card (TM) (Release 8)

**ETSI TS 102 241 V9.1.0 (2011-05)**

Smart Cards; UICC Application Programming Interface (UICC API) for Java Card (TM) (Release 9)

**ETSI TS 102 250-1 V2.2.1 (2011-04)**

Speech and multimedia Transmission Quality (STQ); QoS aspects for popular services in mobile networks; Part 1: Assessment of Quality of Service

**ETSI TS 102 250-2 V2.2.1 (2011-04)**

Speech and multimedia Transmission Quality (STQ); QoS aspects for popular services in mobile networks; Part 2: Definition of Quality of Service parameters and their computation

**ETSI TS 102 250-3 V2.2.1 (2011-04)**

Speech and Multimedia Transmission and Quality (STQ); QoS aspects for popular services in mobile networks; Part 3: Typical procedures for Quality of Service measurement equipment

**ETSI TS 102 250-4 V2.2.1 (2011-04)**

Speech and multimedia Transmission Quality (STQ); QoS aspects for popular services in mobile networks; Part 4: Requirements for Quality of Service measurement equipment

**ETSI TS 102 250-5 V2.2.1 (2011-04)**

Speech and multimedia Transmission Quality Aspects (STQ); QoS aspects for popular services in mobile

- networks; Part 5: Definition of typical measurement profiles
- ETSI TS 102 412 V11.0.0 (2011-05)**  
Smart Cards; Smart Card Platform Requirements Stage 1 (Release 11)
- ETSI TS 102 710-1 V3.1.1 (2011-05)**  
IMS Network Testing (INT); Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (Release 8); Part 1: Protocol Implementation Conformance Statement (PICS)
- ETSI TS 102 710-2 V3.1.1 (2011-05)**  
IMS Network Testing (INT); Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (Release 8); Part 2: Test Suite Structure and Test Purposes (TSS&TP)
- ETSI TS 102 771 V1.2.1 (2011-05)**  
Digital Video Broadcasting (DVB); Generic Stream Encapsulation (GSE) implementation guidelines
- ETSI TS 102 851 V1.2.1 (2011-04)**  
Digital Video Broadcasting (DVB); Uniform Resource Identifiers (URI) for DVB Systems
- ETSI TS 102 860 V1.1.1 (2011-05)**  
Intelligent Transport Systems (ITS); Classification and management of ITS application objects
- ETSI TS 102 874-3 V1.1.1 (2011-05)**  
Access, Terminals, Transmission and Multiplexing (ATTM); External Common Power Supply for Customer Premises Network and Access Equipment; Part 3: CPS Type 1 implementation details
- ETSI TS 102 874-5 V1.1.1 (2011-05)**  
Access, Terminals, Transmission and Multiplexing (ATTM); External Common Power Supply for Customer Premises Network and Access Equipment; Part 5: CPS Type 2.c implementation details
- ETSI TS 102 918 V1.1.1 (2011-04)**  
Electronic Signatures and Infrastructures (ESI); Associated Signature Containers (ASiC)
- ETSI TS 121 111 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; USIM and IC card requirements (3GPP TS 21.111 version 10.0.0 Release 10)
- ETSI TS 122 001 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.001 version 10.0.0 Release 10)
- ETSI TS 122 002 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.002 version 10.0.0 Release 10)
- ETSI TS 122 003 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Circuit Teleservices supported by a Public Land Mobile Network (PLMN) (3GPP TS 22.003 version 10.0.0 Release 10)
- ETSI TS 122 004 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; General on supplementary services (3GPP TS 22.004 version 10.0.0 Release 10)
- ETSI TS 122 016 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; International Mobile Equipment Identities (IMEI) (3GPP TS 22.016 version 10.0.0 Release 10)
- ETSI TS 122 022 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Personalisation of Mobile Equipment (ME); Mobile functionality specification (3GPP TS 22.022 version 10.0.0 Release 10)
- ETSI TS 122 024 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Description of Charge Advice Information (CAI) (3GPP TS 22.024 version 10.0.0 Release 10)
- ETSI TS 122 030 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Man-Machine Interface (MMI) of the User Equipment (UE) (3GPP TS 22.030 version 10.0.0 Release 10)
- ETSI TS 122 031 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Fraud Information Gathering System (FIGS); Service description; Stage 1 (3GPP TS 22.031 version 10.0.0 Release 10)
- ETSI TS 122 032 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Immediate Service Termination (IST); Service description; Stage 1 (3GPP TS 22.032 version 10.0.0 Release 10)
- ETSI TS 122 034 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); High Speed Circuit Switched Data (HSCSD); Stage 1 (3GPP TS 22.034 version 10.0.0 Release 10)
- ETSI TS 122 041 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Operator Determined Call Barring (ODB) (3GPP TS 22.041 version 10.0.0 Release 10)
- ETSI TS 122 042 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Network Identity and Time Zone (NITZ); Service description; Stage 1 (3GPP TS 22.042 version 10.0.0 Release 10)
- ETSI TS 122 057 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Mobile Execution Environment (MExE) service description; Stage 1 (3GPP TS 22.057 version 10.0.0 Release 10)
- ETSI TS 122 060 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 1 (3GPP TS 22.060 version 10.0.0 Release 10)
- ETSI TS 122 066 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Support of Mobile Number Portability (MNP); Stage 1 (3GPP TS 22.066 version 10.0.0 Release 10)
- ETSI TS 122 067 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1 (3GPP TS 22.067 version 10.0.0 Release 10)
- ETSI TS 122 071 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS);

LTE; Location Services (LCS); Service description; Stage 1 (3GPP TS 22.071 version 10.0.0 Release 10)

**ETSI TS 122 072 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Call Deflection (CD); Stage 1 (3GPP TS 22.072 version 10.0.0 Release 10)

**ETSI TS 122 078 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1 (3GPP TS 22.078 version 10.0.0 Release 10)

**ETSI TS 122 079 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Support of optimal routing; Stage 1 (3GPP TS 22.079 version 10.0.0 Release 10)

**ETSI TS 122 081 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Line Identification supplementary services; Stage 1 (3GPP TS 22.081 version 10.0.0 Release 10)

**ETSI TS 122 082 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Call Forwarding (CF) Supplementary Services; Stage 1 (3GPP TS 22.082 version 10.0.0 Release 10)

**ETSI TS 122 083 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1 (3GPP TS 22.083 version 10.0.0 Release 10)

**ETSI TS 122 084 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; MultiParty (MPTY) supplementary service; Stage 1 (3GPP TS 22.084 version 10.0.0 Release 10)

**ETSI TS 122 085 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Closed User Group (CUG) supplementary services; Stage 1 (3GPP TS 22.085 version 10.0.0 Release 10)

**ETSI TS 122 086 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Advice of Charge (AoC) supplementary services; Stage 1 (3GPP TS 22.086 version 10.0.0 Release 10)

**ETSI TS 122 087 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; User-to-user signalling (UUS); Stage 1 (3GPP TS 22.087 version 10.0.0 Release 10)

**ETSI TS 122 088 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Call Barring (CB) supplementary services; Stage 1 (3GPP TS 22.088 version 10.0.0 Release 10)

**ETSI TS 122 090 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Unstructured Supplementary Service Data (USSD); Stage 1 (3GPP TS 22.090 version 10.0.0 Release 10)

**ETSI TS 122 091 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Explicit Call Transfer (ECT) supplementary service; Stage 1 (3GPP TS 22.091 version 10.0.0 Release 10)

**ETSI TS 122 093 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1 (3GPP TS 22.093 version 10.0.0 Release 10)

**ETSI TS 122 094 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Follow Me service description - Stage 1 (3GPP TS 22.094 version 10.0.0 Release 10)

**ETSI TS 122 096 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Name identification supplementary services; Stage 1 (3GPP TS 22.096 version 10.0.0 Release 10)

**ETSI TS 122 097 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Multiple Subscriber Profile (MSP) Phase 2; Service description; Stage 1 (3GPP TS 22.097 version 10.0.0 Release 10)

**ETSI TS 122 105 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Services and service capabilities (3GPP TS 22.105 version 10.0.0 Release 10)

**ETSI TS 122 129 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Handover requirements between UTRAN and GERAN or other radio systems (3GPP TS 22.129 version 10.0.0 Release 10)

**ETSI TS 122 135 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Multicall; Service description; Stage 1 (3GPP TS 22.135 version 10.0.0 Release 10)

**ETSI TS 122 140 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Messaging Service (MMS); Stage 1 (3GPP TS 22.140 version 10.0.0 Release 10)

**ETSI TS 122 141 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Stage 1 (3GPP TS 22.141 version 10.0.0 Release 10)

**ETSI TS 122 142 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Value Added Services (VAS) for Short Message Service (SMS) requirements (3GPP TS 22.142 version 10.0.0 Release 10)

**ETSI TS 122 146 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Broadcast/Multicast Service (MBMS); Stage 1 (3GPP TS 22.146 version 10.0.0 Release 10)

**ETSI TS 122 153 V10.1.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia priority service (3GPP TS 22.153 version 10.1.0 Release 10)

**ETSI TS 122 174 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Push service; Stage 1 (3GPP TS 22.174 version 10.0.0 Release 10)

**ETSI TS 122 182 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS);

- LTE; Customized Alerting Tone (CAT) requirements; Stage 1 (3GPP TS 22.182 version 10.0.0 Release 10)
- ETSI TS 122 183 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Customized Ringing Signal (CRS) requirements; Stage 1 (3GPP TS 22.183 version 10.0.0 Release 10)
- ETSI TS 122 226 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Global text telephony (GTT); Stage 1: Service description (3GPP TS 22.226 version 10.0.0 Release 10)
- ETSI TS 122 233 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Transparent end-to-end packet-switched streaming service; Stage 1 (3GPP TS 22.233 version 10.0.0 Release 10)
- ETSI TS 122 234 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking (3GPP TS 22.234 version 10.0.0 Release 10)
- ETSI TS 122 240 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for 3GPP Generic User Profile (GUP); Stage 1 (3GPP TS 22.240 version 10.0.0 Release 10)
- ETSI TS 122 242 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Digital Rights Management (DRM); Stage 1 (3GPP TS 22.242 version 10.0.0 Release 10)
- ETSI TS 122 243 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Speech recognition framework for automated voice services; Stage 1 (3GPP TS 22.243 version 10.0.0 Release 10)
- ETSI TS 122 246 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1 (3GPP TS 22.246 version 10.0.0 Release 10)
- ETSI TS 122 250 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Group Management; Stage 1 (3GPP TS 22.250 version 10.0.0 Release 10)
- ETSI TS 122 259 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for Personal Network Management (PNM); Stage 1 (3GPP TS 22.259 version 10.0.0 Release 10)
- ETSI TS 122 268 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Public Warning System (PWS) requirements (3GPP TS 22.268 version 10.0.0 Release 10)
- ETSI TS 122 278 V10.2.0 (2011-04)**  
Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 10.2.0 Release 10)
- ETSI TS 122 279 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Combined Circuit Switched (CS) and IP Multimedia Subsystem (IMS) sessions; Stage 1 (3GPP TS 22.279 version 10.0.0 Release 10)
- ETSI TS 122 340 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) messaging; Stage 1 (3GPP TS 22.340 version 10.0.0 Release 10)
- ETSI TS 122 368 V10.4.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Service requirements for Machine-Type Communications (MTC); Stage 1 (3GPP TS 22.368 version 10.4.0 Release 10)
- ETSI TS 123 011 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Technical realization of Supplementary Services (3GPP TS 23.011 version 10.0.0 Release 10)
- ETSI TS 123 015 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 10.0.0 Release 10)
- ETSI TS 123 016 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Subscriber data management; Stage 2 (3GPP TS 23.016 version 10.0.0 Release 10)
- ETSI TS 123 031 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Fraud Information Gathering System (FIGS); Service description; Stage 2 (3GPP TS 23.031 version 10.0.0 Release 10)
- ETSI TS 123 035 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Immediate Service Termination (IST); Stage 2 (3GPP TS 23.035 version 10.0.0 Release 10)
- ETSI TS 123 041 V10.1.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Technical realization of Cell Broadcast Service (CBS) (3GPP TS 23.041 version 10.1.0 Release 10)
- ETSI TS 123 078 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 4; Stage 2 (3GPP TS 23.078 version 10.0.0 Release 10)
- ETSI TS 123 081 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 2 (3GPP TS 23.081 version 10.0.0 Release 10)
- ETSI TS 123 082 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) supplementary services; Stage 2 (3GPP TS 23.082 version 10.0.0 Release 10)
- ETSI TS 123 084 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); MultiParty (MPTY) supplementary service; Stage 2 (3GPP TS 23.084 version 10.0.0 Release 10)
- ETSI TS 123 085 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary service; Stage 2 (3GPP TS 23.085 version 10.0.0 Release 10)

**ETSI TS 123 086 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) Supplementary Service; Stage 2 (3GPP TS 23.086 version 10.0.0 Release 10)

**ETSI TS 123 087 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS) supplementary service; Stage 2 (3GPP TS 23.087 version 10.0.0 Release 10)

**ETSI TS 123 088 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) Supplementary Service; Stage 2 (3GPP TS 23.088 version 10.0.0 Release 10)

**ETSI TS 123 090 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Unstructured Supplementary Service Data (USSD); Stage 2 (3GPP TS 23.090 version 10.0.0 Release 10)

**ETSI TS 123 091 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) supplementary service; Stage 2 (3GPP TS 23.091 version 10.0.0 Release 10)

**ETSI TS 123 094 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Follow-Me (F-M); Stage 2 (3GPP TS 23.094 version 10.0.0 Release 10)

**ETSI TS 123 096 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Name identification supplementary services; Stage 2 (3GPP TS 23.096 version 10.0.0 Release 10)

**ETSI TS 123 097 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Multiple Subscriber Profile (MSP) Phase X; Stage 2 (3GPP TS 23.097 version 10.0.0 Release 10)

**ETSI TS 123 119 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Gateway Location Register (GLR); Stage 2 (3GPP TS 23.119 version 10.0.0 Release 10)

**ETSI TS 123 135 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Multicall supplementary service; Stage 2 (3GPP TS 23.135 version 10.0.0 Release 10)

**ETSI TS 123 142 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Value-added Services for SMS (VAS4SMS); Interface and signalling flow (3GPP TS 23.142 version 10.0.0 Release 10)

**ETSI TS 123 204 V10.2.0 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access; Stage 2 (3GPP TS 23.204 version 10.2.0 Release 10)

**ETSI TS 123 236 V10.2.1 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes (3GPP TS 23.236 version 10.2.1 Release 10)

**ETSI TS 123 261 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; IP flow mobility and seamless Wireless Local Area Network (WLAN) offload; Stage 2 (3GPP TS 23.261 version 10.1.0 Release 10)

**ETSI TS 123 278 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 123 284 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Local Call Local Switch (LCLS); Stage 2 (3GPP TS 23.284 version 10.0.0 Release 10)

**ETSI TS 123 380 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; IMS Restoration Procedures (3GPP TS 23.380 version 10.0.0 Release 10)

**ETSI TS 124 010 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Mobile radio interface layer 3; Supplementary services specification; General aspects (3GPP TS 24.010 version 10.0.0 Release 10)

**ETSI TS 124 030 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Location Services (LCS); Supplementary service operations; Stage 3 (3GPP TS 24.030 version 10.0.0 Release 10)

**ETSI TS 124 067 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3 (3GPP TS 24.067 version 10.0.0 Release 10)

**ETSI TS 124 072 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Deflection (CD) supplementary service; Stage 3 (3GPP TS 24.072 version 10.0.0 Release 10)

**ETSI TS 124 080 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Mobile radio interface layer 3 supplementary services specification; Formats and coding (3GPP TS 24.080 version 10.0.0 Release 10)

**ETSI TS 124 081 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Line Identification supplementary services; Stage 3 (3GPP TS 24.081 version 10.0.0 Release 10)

**ETSI TS 124 082 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Forwarding (CF) supplementary services; Stage 3 (3GPP TS 24.082 version 10.0.0 Release 10)

**ETSI TS 124 083 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 3 (3GPP TS 24.083 version 10.0.0 Release 10)

**ETSI TS 124 085 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Closed User Group (CUG) supplementary service; Stage 3 (3GPP TS 24.085 version 10.0.0 Release 10)

**ETSI TS 124 086 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Advice of Charge (AoC) supplementary services; Stage 3 (3GPP TS 24.086 version 10.0.0 Release 10)



**ETSI TS 124 087 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); User-to-User Signalling (UUS); Stage 3 (3GPP TS 24.087 version 10.0.0 Release 10)

**ETSI TS 124 088 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Barring (CB) supplementary service; Stage 3 (3GPP TS 24.088 version 10.0.0 Release 10)

**ETSI TS 124 090 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Unstructured Supplementary Service Data (USSD); Stage 3 (3GPP TS 24.090 version 10.0.0 Release 10)

**ETSI TS 124 091 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Explicit Call Transfer (ECT) supplementary service; Stage 3 (3GPP TS 24.091 version 10.0.0 Release 10)

**ETSI TS 124 093 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Call Completion to Busy Subscriber (CCBS); Stage 3 (3GPP TS 24.093 version 10.0.0 Release 10)

**ETSI TS 124 096 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Name Identification supplementary services; Stage 3 (3GPP TS 24.096 version 10.0.0 Release 10)

**ETSI TS 124 135 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Multicall supplementary service; Stage 3 (3GPP TS 24.135 version 10.0.0 Release 10)

**ETSI TS 124 147 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3 (3GPP TS 24.147 version 10.0.0 Release 10)

**ETSI TS 124 171 V10.0.0 (2011-05)**

LTE; Control Plane Location Services (LCS) procedures in the Evolved Packet System (EPS) (3GPP TS 24.171 version 10.0.0 Release 10)

**ETSI TS 124 173 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; IMS Multimedia telephony communication service and supplementary services; Stage 3 (3GPP TS 24.173 version 10.0.0 Release 10)

**ETSI TS 124 259 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Personal Network Management (PNM); Stage 3 (3GPP TS 24.259 version 10.0.0 Release 10)

**ETSI TS 124 285 V10.2.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Allowed Closed Subscriber Group (CSG) list; Management Object (MO) (3GPP TS 24.285 version 10.2.0 Release 10)

**ETSI TS 124 605 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.605 version 10.0.0 Release 10)

**ETSI TS 124 607 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol

specification (3GPP TS 24.607 version 10.0.0 Release 10)

**ETSI TS 124 608 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.608 version 10.0.0 Release 10)

**ETSI TS 124 629 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification (3GPP TS 24.629 version 10.0.0 Release 10)

**ETSI TS 124 642 V10.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Completion of Communications to Busy Subscriber (CCBS) and Completion of Communications by No Reply (CCNR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol Specification (3GPP TS 24.642 version 10.2.0 Release 10)

**ETSI TS 124 647 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Advice Of Charge (AOC) using IP Multimedia (IM) Core Network (CN) subsystem (3GPP TS 24.647 version 10.1.0 Release 10)

**ETSI TS 125 101 V10.0.1 (2011-05)**

Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (FDD) (3GPP TS 25.101 version 10.0.1 Release 10)

**ETSI TS 125 101 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (FDD) (3GPP TS 25.101 version 10.1.0 Release 10)

**ETSI TS 125 101 V9.7.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (FDD) (3GPP TS 25.101 version 9.7.0 Release 9)

**ETSI TS 125 102 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (TDD) (3GPP TS 25.102 version 10.1.0 Release 10)

**ETSI TS 125 102 V5.15.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (TDD) (3GPP TS 25.102 version 5.15.0 Release 5)

**ETSI TS 125 102 V6.13.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (TDD) (3GPP TS 25.102 version 6.13.0 Release 6)

**ETSI TS 125 102 V7.20.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (TDD) (3GPP TS 25.102 version 7.20.0 Release 7)

**ETSI TS 125 102 V8.10.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); User Equipment (UE) radio transmission and reception (TDD) (3GPP TS 25.102 version 8.10.0 Release 8)

**ETSI TS 125 104 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (FDD) (3GPP TS 25.104 version 10.1.0 Release 10)

**ETSI TS 125 105 V10.2.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Base Station (BS) radio transmission and reception (TDD) (3GPP TS 25.105 version 10.2.0 Release 10)

**ETSI TS 125 106 V10.0.0 (2011-05)**

RAN Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (3GPP TS 25.106 version 10.0.0 Release 10)

**ETSI TS 125 111 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Location Measurement Unit (LMU) performance specification; User Equipment (UE) positioning in UTRAN (3GPP TS 25.111 version 10.0.0 Release 10)

**ETSI TS 125 113 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Base station (BS) and repeater electromagnetic compatibility (EMC) (3GPP TS 25.113 version 10.0.0 Release 10)

**ETSI TS 125 113 V9.5.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Base station (BS) and repeater electromagnetic compatibility (EMC) (3GPP TS 25.113 version 9.5.0 Release 9)

**ETSI TS 125 116 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); UTRA repeater radio transmission and reception (LCR TDD) (3GPP TS 25.116 version 10.0.0 Release 10)

**ETSI TS 125 123 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (TDD) (3GPP TS 25.123 version 10.1.0 Release 10)

**ETSI TS 125 123 V7.13.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (TDD) (3GPP TS 25.123 version 7.13.0 Release 7)

**ETSI TS 125 123 V8.9.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (TDD) (3GPP TS 25.123 version 8.9.0 Release 8)

**ETSI TS 125 123 V9.4.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (TDD) (3GPP TS 25.123 version 9.4.0 Release 9)

**ETSI TS 125 133 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (FDD) (3GPP TS 25.133 version 10.1.0 Release 10)

**ETSI TS 125 133 V8.13.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (FDD) (3GPP TS 25.133 version 8.13.0 Release 8)

**ETSI TS 125 133 V9.7.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Requirements for support of radio resource management (FDD) (3GPP TS 25.133 version 9.7.0 Release 9)

**ETSI TS 125 141 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (FDD) (3GPP TS 25.141 version 10.1.0 Release 10)

**ETSI TS 125 141 V8.13.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (FDD) (3GPP TS 25.141 version 8.13.0 Release 8)

**ETSI TS 125 142 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Base Station (BS) conformance testing (TDD) (3GPP TS 25.142 version 10.1.0 Release 10)

**ETSI TS 125 143 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (3GPP TS 25.143 version 10.0.0 Release 10)

**ETSI TS 125 144 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); User Equipment (UE) and Mobile Station (MS) over the air performance requirements (3GPP TS 25.144 version 10.0.0 Release 10)

**ETSI TS 125 153 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); UTRA repeater conformance testing (LCR TDD) (3GPP TS 25.153 version 10.0.0 Release 10)

**ETSI TS 125 171 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD) (3GPP TS 25.171 version 10.0.0 Release 10)

**ETSI TS 125 172 V10.2.0 (2011-05)**

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 10.2.0 Release 10)

**ETSI TS 125 211 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (FDD) (3GPP TS 25.211 version 10.0.0 Release 10)

**ETSI TS 125 212 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Multiplexing and channel coding (FDD) (3GPP TS 25.212 version 10.1.0 Release 10)

**ETSI TS 125 213 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Spreading and modulation (FDD) (3GPP TS 25.213 version 10.0.0 Release 10)

**ETSI TS 125 221 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (TDD) (3GPP TS 25.221 version 10.0.0 Release 10)

**ETSI TS 125 223 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Spreading and modulation (TDD) (3GPP TS 25.223 version 10.0.0 Release 10)

**ETSI TS 125 225 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Physical layer; Measurements (TDD) (3GPP TS 25.225 version 10.0.0 Release 10)

**ETSI TS 125 302 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Services provided by the physical layer (3GPP TS 25.302 version 10.1.0 Release 10)

**ETSI TS 125 305 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Stage 2 functional specification of User Equipment (UE) positioning in UTRAN (3GPP TS 25.305 version 10.0.0 Release 10)

**ETSI TS 125 322 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Radio Link Control (RLC) protocol specification (3GPP TS 25.322 version 10.0.0 Release 10)

**ETSI TS 127 060 V10.0.1 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Packet domain; Mobile Station (MS) supporting Packet Switched services (3GPP TS 27.060 version 10.0.1 Release 10)

**ETSI TS 128 062 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3 (3GPP TS 28.062 version 10.0.0 Release 10)

**ETSI TS 129 010 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; 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 10.0.0 Release 10)

**ETSI TS 129 011 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Signalling Interworking for supplementary services (3GPP TS 29.011 version 10.0.0 Release 10)

**ETSI TS 129 013 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 129 078 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase X; CAMEL Application Part (CAP) specification (3GPP TS 29.078 version 10.0.0 Release 10)

**ETSI TS 129 109 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 129 119 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR) (3GPP TS 29.119 version 10.0.0 Release 10)

**ETSI TS 129 120 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Mobile Application Part (MAP) specification for Gateway Location Register (GLR) (3GPP TS 29.120 version 10.0.0 Release 10)

**ETSI TS 129 163 V10.1.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163 version 10.1.1 Release 10)

**ETSI TS 129 163 V7.22.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163 version 7.22.1 Release 7)

**ETSI TS 129 163 V8.14.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163 version 8.14.1 Release 8)

**ETSI TS 129 163 V9.5.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS);

LTE; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (3GPP TS 29.163 version 9.5.1 Release 9)

**ETSI TS 129 165 V10.3.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 10.3.1 Release 10)

**ETSI TS 129 165 V8.8.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 8.8.1 Release 8)

**ETSI TS 129 165 V9.6.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 9.6.1 Release 9)

**ETSI TS 129 168 V10.0.0 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Cell Broadcast Centre interfaces with the Evolved Packet Core; Stage 3 (3GPP TS 29.168 version 10.0.0 Release 10)

**ETSI TS 129 171 V10.2.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); 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 10.2.0 Release 10)

**ETSI TS 129 171 V9.3.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); 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 9.3.0 Release 9)

**ETSI TS 129 172 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 129 172 V9.4.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); 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 9.4.0 Release 9)

**ETSI TS 129 173 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Location Services (LCS); Diameter-based SLh interface for Control Plane LCS (3GPP TS 29.173 version 10.0.0 Release 10)

**ETSI TS 129 202 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); Signalling System No. 7 (SS7) signalling transport in core network; Stage 3 (3GPP TS 29.202 version 10.0.0 Release 10)

**ETSI TS 129 204 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Signalling System No. 7 (SS7) security gateway; Architecture, functional description and protocol details (3GPP TS 29.204 version 10.0.0 Release 10)

**ETSI TS 129 205 V10.0.0 (2011-04)**

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 10.0.0 Release 10)

**ETSI TS 129 205 V7.1.0 (2011-04)**

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 7.1.0 Release 7)

**ETSI TS 129 205 V8.3.0 (2011-04)**

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 8.3.0 Release 8)

**ETSI TS 129 205 V9.3.0 (2011-04)**

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 9.3.0 Release 9)

**ETSI TS 129 212 V10.2.1 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control over Gx reference point (3GPP TS 29.212 version 10.2.1 Release 10)

**ETSI TS 129 212 V8.11.1 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control over Gx reference point (3GPP TS 29.212 version 8.11.1 Release 8)

**ETSI TS 129 212 V9.6.1 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control over Gx reference point (3GPP TS 29.212 version 9.6.1 Release 9)

**ETSI TS 129 213 V10.1.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping (3GPP TS 29.213 version 10.1.0 Release 10)

**ETSI TS 129 213 V8.11.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping (3GPP TS 29.213 version 8.11.0 Release 8)

**ETSI TS 129 213 V9.6.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control signalling flows and Quality of Service (QoS) parameter mapping (3GPP TS 29.213 version 9.6.0 Release 9)

**ETSI TS 129 214 V10.2.0 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control over Rx reference point (3GPP TS 29.214 version 10.2.0 Release 10)

**ETSI TS 129 214 V9.6.0 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Policy and charging control over Rx reference point (3GPP TS 29.214 version 9.6.0 Release 9)

**ETSI TS 129 215 V10.1.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Policy and Charging Control (PCC) over S9 reference point; Stage 3 (3GPP TS 29.215 version 10.1.0 Release 10)

**ETSI TS 129 215 V8.9.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Policy and Charging Control (PCC) over S9 reference point; Stage 3 (3GPP TS 29.215 version 8.9.0 Release 8)

**ETSI TS 129 215 V9.6.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Policy and Charging Control (PCC) over S9 reference point; Stage 3 (3GPP TS 29.215 version 9.6.0 Release 9)

**ETSI TS 129 228 V10.1.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents (3GPP TS 29.228 version 10.1.0 Release 10)

**ETSI TS 129 228 V8.12.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents (3GPP TS 29.228 version 8.12.0 Release 8)

**ETSI TS 129 228 V9.5.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents (3GPP TS 29.228 version 9.5.0 Release 9)

**ETSI TS 129 229 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Cx and Dx interfaces based on the Diameter protocol; Protocol details (3GPP TS 29.229 version 10.0.0 Release 10)

**ETSI TS 129 230 V10.2.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 10.2.0 Release 10)

**ETSI TS 129 230 V9.6.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Diameter applications; 3GPP specific codes and identifiers (3GPP TS 29.230 version 9.6.0 Release 9)

**ETSI TS 129 231 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Application of SIP-I Protocols to Circuit Switched (CS) core network architecture; Stage 3 (3GPP TS 29.231 version 10.0.0 Release 10)

**ETSI TS 129 232 V10.0.0 (2011-04)**

Universal Mobile Telecommunications System (UMTS); Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3 (3GPP TS 29.232 version 10.0.0 Release 10)

**ETSI TS 129 232 V9.1.0 (2011-04)**

Universal Mobile Telecommunications System (UMTS); Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3 (3GPP TS 29.232 version 9.1.0 Release 9)

**ETSI TS 129 234 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; 3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3 (3GPP TS 29.234 version 10.0.0 Release 10)

**ETSI TS 129 235 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between SIP-I based circuit-switched core network and other networks (3GPP TS 29.235 version 10.0.0 Release 10)

**ETSI TS 129 235 V9.7.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Interworking between SIP-I based circuit-switched

- core network and other networks (3GPP TS 29.235 version 9.7.0 Release 9)
- ETSI TS 129 238 V10.0.0 (2011-04)**  
Universal Mobile Telecommunications System (UMTS); LTE; Interconnection Border Control Functions (IBCF) - Transition Gateway (TrGW) interface; Ix interface; Stage 3 (3GPP TS 29.238 version 10.0.0 Release 10)
- ETSI TS 129 240 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; 3GPP Generic User Profile (GUP); Stage 3; Network (3GPP TS 29.240 version 10.0.0 Release 10)
- ETSI TS 129 272 V10.2.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; 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 10.2.0 Release 10)
- ETSI TS 129 272 V8.10.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; 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 8.10.0 Release 8)
- ETSI TS 129 272 V9.6.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; 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 9.6.0 Release 9)
- ETSI TS 129 273 V10.2.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Packet System (EPS); 3GPP EPS AAA interfaces (3GPP TS 29.273 version 10.2.0 Release 10)
- ETSI TS 129 273 V9.6.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Evolved Packet System (EPS); 3GPP EPS AAA interfaces (3GPP TS 29.273 version 9.6.0 Release 9)
- ETSI TS 129 275 V10.1.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Proxy Mobile IPv6 (PMIPv6) based Mobility and Tunneling protocols; Stage 3 (3GPP TS 29.275 version 10.1.0 Release 10)
- ETSI TS 129 276 V10.0.0 (2011-05)**  
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 10.0.0 Release 10)
- ETSI TS 129 277 V10.0.0 (2011-05)**  
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 10.0.0 Release 10)
- ETSI TS 129 278 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS) (3GPP TS 29.278 version 10.0.0 Release 10)
- ETSI TS 129 279 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Mobile IPv4 (MIPv4) based mobility protocols; Stage 3 (3GPP TS 29.279 version 10.0.0 Release 10)
- ETSI TS 129 280 V10.0.0 (2011-05)**  
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 10.0.0 Release 10)
- ETSI TS 129 280 V8.6.0 (2011-05)**  
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 8.6.0 Release 8)
- ETSI TS 129 280 V9.6.0 (2011-05)**  
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 9.6.0 Release 9)
- ETSI TS 129 281 V10.1.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; General Packet Radio System (GPRS) Tunneling Protocol User Plane (GTPv1-U) (3GPP TS 29.281 version 10.1.0 Release 10)
- ETSI TS 129 282 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Mobile IPv6 vendor specific option format and usage within 3GPP (3GPP TS 29.282 version 10.0.0 Release 10)
- ETSI TS 129 292 V10.0.1 (2011-04)**  
Universal Mobile Telecommunications System (UMTS); LTE; Interworking between the IP Multimedia (IM) Core Network (CN) subsystem (IMS) and MSC Server for IMS Centralized Services (ICS) (3GPP TS 29.292 version 10.0.1 Release 10)
- ETSI TS 129 303 V10.1.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Domain Name System Procedures; Stage 3 (3GPP TS 29.303 version 10.1.0 Release 10)
- ETSI TS 129 305 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; InterWorking Function (IWF) between MAP based and Diameter based interfaces (3GPP TS 29.305 version 10.0.0 Release 10)
- ETSI TS 129 311 V10.3.0 (2011-04)**  
Universal Mobile Telecommunications System (UMTS); LTE; Service level interworking for Messaging Services (3GPP TS 29.311 version 10.3.0 Release 10)
- ETSI TS 129 328 V10.2.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents (3GPP TS 29.328 version 10.2.0 Release 10)
- ETSI TS 129 328 V8.12.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents (3GPP TS 29.328 version 8.12.0 Release 8)
- ETSI TS 129 328 V9.5.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia (IM) Subsystem Sh interface; Signalling flows and message contents (3GPP TS 29.328 version 9.5.0 Release 9)
- ETSI TS 129 329 V10.2.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Sh interface based on the Diameter protocol; Protocol details (3GPP TS 29.329 version 10.2.0 Release 10)
- ETSI TS 129 334 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 129 335 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 129 364 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP Multimedia Subsystem (IMS) Application Server (AS) service data descriptions for AS interoperability (3GPP TS 29.364 version 10.0.0 Release 10)

**ETSI TS 129 414 V10.0.2 (2011-04)**

Universal Mobile Telecommunications System (UMTS); Core network Nb data transport and transport signalling (3GPP TS 29.414 version 10.0.2 Release 10)

**ETSI TS 129 415 V10.0.1 (2011-04)**

Universal Mobile Telecommunications System (UMTS); Core network Nb interface user plane protocols (3GPP TS 29.415 version 10.0.1 Release 10)

**ETSI TS 129 658 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; TISPAN; SIP Transfer of IP Multimedia Service Tariff Information; Protocol specification (3GPP TS 29.658 version 10.0.0 Release 10)

**ETSI TS 131 111 V10.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 10.2.0 Release 10)

**ETSI TS 131 111 V7.16.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 7.16.0 Release 7)

**ETSI TS 131 111 V8.11.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 8.11.0 Release 8)

**ETSI TS 131 111 V9.5.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 9.5.0 Release 9)

**ETSI TS 131 115 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications (3GPP TS 31.115 version 10.0.0 Release 10)

**ETSI TS 131 116 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications (3GPP TS 31.116 version 10.0.0 Release 10)

**ETSI TS 131 120 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; UICC-terminal interface; Physical, electrical and logical test specification (3GPP TS 31.120 version 10.0.0 Release 10)

**ETSI TS 131 121 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 10.0.0 Release 10)

**ETSI TS 131 121 V9.5.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 9.5.0 Release 9)

**ETSI TS 131 122 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 10.0.0 Release 10)

**ETSI TS 131 130 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; (U)SIM Application Programming Interface (API); (U)SIM API for Java Card (3GPP TS 31.130 version 10.0.0 Release 10)

**ETSI TS 131 131 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API (3GPP TS 31.131 version 10.0.0 Release 10)

**ETSI TS 131 133 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 131 133 V7.4.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 7.4.0 Release 7)

**ETSI TS 131 133 V8.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 8.2.0 Release 8)

**ETSI TS 131 133 V9.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 9.2.0 Release 9)

**ETSI TS 131 213 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Test specification for subscriber (U)SIM; Application Programming Interface (API) for Java Card™ (3GPP TS 31.213 version 10.0.0 Release 10)

**ETSI TS 131 220 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Characteristics of the Contact Manager for 3GPP UICC applications (3GPP TS 31.220 version 10.0.0 Release 10)

**ETSI TS 131 221 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Contact Manager Application Programming Interface (API); Contact Manager API for Java Card (3GPP TS 31.221 version 10.0.0 Release 10)

**ETSI TS 132 101 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Principles and high level requirements (3GPP TS 32.101 version 10.0.0 Release 10)

**ETSI TS 132 111-6 V10.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.2.0 Release 10)
- ETSI TS 132 126 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)
- ETSI TS 132 151 V10.1.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template (3GPP TS 32.151 version 10.1.0 Release 10)
- ETSI TS 132 152 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire (3GPP TS 32.152 version 10.0.0 Release 10)
- ETSI TS 132 153 V10.1.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Integration Reference Point (IRP) technology specific templates, rules and guidelines (3GPP TS 32.153 version 10.1.0 Release 10)
- ETSI TS 132 154 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Backward and Forward Compatibility (BFC); Concept and definitions (3GPP TS 32.154 version 10.0.0 Release 10)
- ETSI TS 132 181 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; User Data Convergence (UDC); Framework for Model Handling and Management (3GPP TS 32.181 version 10.0.0 Release 10)
- ETSI TS 132 271 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Charging management; Location Services (LCS) charging (3GPP TS 32.271 version 10.0.0 Release 10)
- ETSI TS 132 302 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP);
- ETSI TS 132 306 V10.1.0 (2011-05)**  
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 10.1.0 Release 10)
- ETSI TS 132 316 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Generic Integration Reference Point (IRP) management; Solution Set (SS) Definitions (3GPP TS 32.316 version 10.0.0 Release 10)
- ETSI TS 132 326 V10.1.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Test management Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.326 version 10.1.0 Release 10)
- ETSI TS 132 336 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): Solution Sets (SS) (3GPP TS 32.336 version 10.0.0 Release 10)
- ETSI TS 132 346 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Solution Set (SS) definitions (3GPP TS 32.346 version 10.0.0 Release 10)
- ETSI TS 132 356 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.356 version 10.0.0 Release 10)
- ETSI TS 132 366 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Entry Point (EP) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.366 version 10.0.0 Release 10)
- ETSI TS 132 371 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security Management concept and requirements (3GPP TS 32.371 version 10.0.0 Release 10)
- ETSI TS 132 372 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security services for Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.372 version 10.0.0 Release 10)
- ETSI TS 132 376 V10.1.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Security services for Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.376 version 10.1.0 Release 10)
- ETSI TS 132 381 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Requirements (3GPP TS 32.381 version 10.0.0 Release 10)
- ETSI TS 132 382 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.382 version 10.0.0 Release 10)
- ETSI TS 132 386 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Partial Suspension of Itf-N Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.386 version 10.0.0 Release 10)
- ETSI TS 132 391 V10.0.0 (2011-04)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS);

LTE; Telecommunication management; Delta synchronization Integration Reference Point (IRP); Requirements (3GPP TS 32.391 version 10.0.0 Release 10)

**ETSI TS 132 392 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Delta synchronization Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.392 version 10.0.0 Release 10)

**ETSI TS 132 396 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Delta synchronization Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.396 version 10.1.0 Release 10)

**ETSI TS 132 401 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Concept and requirements (3GPP TS 32.401 version 10.0.0 Release 10)

**ETSI TS 132 404 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;

**ETSI TS 132 405 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;

**ETSI TS 132 406 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;

**ETSI TS 132 407 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;

**ETSI TS 132 408 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM); Performance measurements;

**ETSI TS 132 410 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Key Performance Indicators (KPI) for UMTS and GSM (3GPP TS 32.410 version 10.0.0 Release 10)

**ETSI TS 132 411 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Requirements (3GPP TS 32.411 version 10.0.0 Release 10)

**ETSI TS 132 416 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance Management (PM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.416 version 10.1.0 Release 10)

**ETSI TS 132 432 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS);

LTE; Telecommunication management; Performance measurement: File format definition (3GPP TS 32.432 version 10.1.0 Release 10)

**ETSI TS 132 435 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance measurement: eXtensible Markup Language (XML) file format definition (3GPP TS 32.435 version 10.0.0 Release 10)

**ETSI TS 132 436 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition (3GPP TS 32.436 version 10.0.0 Release 10)

**ETSI TS 132 442 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Trace Management Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.442 version 10.1.0 Release 10)

**ETSI TS 132 443 V8.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Trace Management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS) (3GPP TS 32.443 version 8.2.0 Release 8)

**ETSI TS 132 443 V9.1.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Trace Management Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS) (3GPP TS 32.443 version 9.1.0 Release 9)

**ETSI TS 132 500 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON); Concepts and requirements (3GPP TS 32.500 version 10.1.0 Release 10)

**ETSI TS 132 501 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-configuration of network elements; Concepts and requirements (3GPP TS 32.501 version 10.0.0 Release 10)

**ETSI TS 132 502 V10.1.0 (2011-05)**

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 10.1.0 Release 10)

**ETSI TS 132 506 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 132 511 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Automatic Neighbour Relation (ANR) management; Concepts and requirements (3GPP TS 32.511 version 10.0.0 Release 10)



**ETSI TS 132 521 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP); Requirements (3GPP TS 32.521 version 10.1.0 Release 10)

**ETSI TS 132 522 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 32.522 version 10.1.0 Release 10)

**ETSI TS 132 531 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management (SwM); Concepts and Integration Reference Point (IRP) Requirements (3GPP TS 32.531 version 10.1.0 Release 10)

**ETSI TS 132 532 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management (SwM); Integration Reference Point (IRP); Information Service (IS) (3GPP TS 32.532 version 10.1.0 Release 10)

**ETSI TS 132 536 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Software management Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.536 version 10.1.0 Release 10)

**ETSI TS 132 551 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Energy Saving Management (ESM); Concepts and requirements (3GPP TS 32.551 version 10.1.0 Release 10)

**ETSI TS 132 571 V10.0.0 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) and Home eNode B (HeNB) management; Type 2 interface concepts and requirements (3GPP TS 32.571 version 10.0.0 Release 10)

**ETSI TS 132 572 V10.0.0 (2011-04)**

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 10.0.0 Release 10)

**ETSI TS 132 583 V10.0.0 (2011-04)**

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 10.0.0 Release 10)

**ETSI TS 132 593 V10.0.0 (2011-05)**

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 10.0.0 Release 10)

**ETSI TS 132 594 V10.0.0 (2011-05)**

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 10.0.0 Release 10)

**ETSI TS 132 600 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Concept and high-level requirements (3GPP TS 32.600 version 10.0.0 Release 10)

**ETSI TS 132 601 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP);

**ETSI TS 132 602 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 132 606 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP);

**ETSI TS 132 611 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Requirements (3GPP TS 32.611 version 10.0.0 Release 10)

**ETSI TS 132 612 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 132 616 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP);

**ETSI TS 132 621 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP);

**ETSI TS 132 622 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP);

**ETSI TS 132 626 V10.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.626 version 10.2.0 Release 10)

**ETSI TS 132 631 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP);

**ETSI TS 132 632 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP);

**ETSI TS 132 636 V10.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP);

**ETSI TS 132 641 V10.0.0 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements (3GPP TS 32.641 version 10.0.0 Release 10)

**ETSI TS 132 651 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP); Requirements (3GPP TS 32.651 version 10.0.0 Release 10)

**ETSI TS 132 661 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Requirements (3GPP TS 32.661 version 10.0.0 Release 10)

**ETSI TS 132 662 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Information Service (IS) (3GPP TS 32.662 version 10.0.0 Release 10)

**ETSI TS 132 666 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP);

**ETSI TS 132 671 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP);

**ETSI TS 132 672 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP);

**ETSI TS 132 676 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP);

**ETSI TS 132 696 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 32.696 version 10.1.0 Release 10)

**ETSI TS 132 712 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration

Management (CM); Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP);

**ETSI TS 132 716 V10.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP);

**ETSI TS 132 726 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Repeater network resources Integration Reference Point (IRP);

**ETSI TS 132 736 V10.1.0 (2011-05)**

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 32.736 version 10.1.0 Release 10)

**ETSI TS 132 746 V10.1.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions (3GPP TS 32.746 version 10.1.0 Release 10)

**ETSI TS 132 752 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 32.752 version 10.1.0 Release 10)

**ETSI TS 132 761 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 32.761 version 10.0.0 Release 10)

**ETSI TS 132 776 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home Node B (HNB) Subsystem (HNS); Network Resource Model (NRM);

**ETSI TS 132 786 V10.1.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication management; Home enhanced Node B (HeNB) Subsystem (HeNS); Network Resource Model (NRM);

**ETSI TS 133 102 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Security architecture (3GPP TS 33.102 version 10.0.0 Release 10)

**ETSI TS 133 106 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Lawful interception requirements (3GPP TS 33.106 version 10.0.0 Release 10)

**ETSI TS 133 141 V10.0.0 (2011-05)**

Universal Mobile Telecommunications System (UMTS); LTE; Presence service; Security (3GPP TS 33.141 version 10.0.0 Release 10)

**ETSI TS 133 203 V10.2.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS);

- LTE; 3G security; Access security for IP-based services (3GPP TS 33.203 version 10.2.0 Release 10)
- ETSI TS 133 220 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (GBA) (3GPP TS 33.220 version 10.0.0 Release 10)
- ETSI TS 133 234 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; 3G security; Wireless Local Area Network (WLAN) interworking security (3GPP TS 33.234 version 10.0.0 Release 10)
- ETSI TS 133 246 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; 3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS) (3GPP TS 33.246 version 10.0.0 Release 10)
- ETSI TS 133 310 V10.2.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Network Domain Security (NDS); Authentication Framework (AF) (3GPP TS 33.310 version 10.2.0 Release 10)
- ETSI TS 133 402 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; 3GPP System Architecture Evolution (SAE); Security aspects of non-3GPP accesses (3GPP TS 33.402 version 10.0.0 Release 10)
- ETSI TS 134 124 V10.0.0 (2011-05)**  
Universal Mobile Telecommunications System (UMTS); LTE; Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 34.124 version 10.0.0 Release 10)
- ETSI TS 134 131 V10.0.0 (2011-05)**  
Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)
- ETSI TS 136 104 V10.2.0 (2011-05)**  
Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 10.2.0 Release 10)
- ETSI TS 136 106 V10.1.0 (2011-05)**  
Evolved Universal Terrestrial Radio Access (E-UTRA); FDD repeater radio transmission and reception (3GPP TS 36.106 version 10.1.0 Release 10)
- ETSI TS 136 113 V10.2.0 (2011-05)**  
Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 10.2.0 Release 10)
- ETSI TS 136 113 V9.4.0 (2011-05)**  
Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 9.4.0 Release 9)
- ETSI TS 136 300 V10.3.0 (2011-04)**  
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 10.3.0 Release 10)
- ETSI TS 136 306 V10.1.0 (2011-04)**  
Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 10.1.0 Release 10)
- ETSI TS 136 321 V10.1.0 (2011-04)**  
Evolved Universal Terrestrial Radio Access (E-UTRA); Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 10.1.0 Release 10)
- ETSI TS 136 355 V10.1.0 (2011-04)**  
Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol (LPP) (3GPP TS 36.355 version 10.1.0 Release 10)
- ETSI TS 136 401 V9.2.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Architecture description (3GPP TS 36.401 version 9.2.1 Release 9)
- ETSI TS 136 410 V10.0.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 general aspects and principles (3GPP TS 36.410 version 10.0.1 Release 10)
- ETSI TS 136 410 V9.1.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 general aspects and principles (3GPP TS 36.410 version 9.1.1 Release 9)
- ETSI TS 136 412 V10.0.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 signalling transport (3GPP TS 36.412 version 10.0.1 Release 10)
- ETSI TS 136 412 V9.1.1 (2011-05) - (77 kb)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 signalling transport (3GPP TS 36.412 version 9.1.1 Release 9)
- ETSI TS 136 413 V10.1.0 (2011-04)**  
Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 10.1.0 Release 10)
- ETSI TS 136 413 V9.6.0 (2011-04)**  
Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 9.6.0 Release 9)
- ETSI TS 136 413 V9.6.1 (2011-05)**  
Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 Application Protocol (S1AP) (3GPP TS 36.413 version 9.6.1 Release 9)
- ETSI TS 136 414 V10.0.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 data transport (3GPP TS 36.414 version 10.0.1 Release 10)
- ETSI TS 136 414 V9.0.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 data transport (3GPP TS 36.414 version 9.0.1 Release 9)
- ETSI TS 136 420 V10.0.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 general aspects and principles (3GPP TS 36.420 version 10.0.1 Release 10)
- ETSI TS 136 420 V9.0.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 general aspects and principles (3GPP TS 36.420 version 9.0.1 Release 9)
- ETSI TS 136 421 V10.0.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 layer 1 (3GPP TS 36.421 version 10.0.1 Release 10)
- ETSI TS 136 421 V9.0.2 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 layer 1 (3GPP TS 36.421 version 9.0.2 Release 9)
- ETSI TS 136 422 V10.0.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 signalling transport (3GPP TS 36.422 version 10.0.1 Release 10)
- ETSI TS 136 422 V9.1.1 (2011-05)**  
LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 signalling transport (3GPP TS 36.422 version 9.1.1 Release 9)

**ETSI TS 136 424 V10.0.1 (2011-05)**

LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 data transport (3GPP TS 36.424 version 10.0.1 Release 10)

**ETSI TS 136 424 V9.0.1 (2011-05)**

LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 data transport (3GPP TS 36.424 version 9.0.1 Release 9)

**ETSI TS 136 440 V10.0.1 (2011-05)**

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 10.0.1 Release 10)

**ETSI TS 136 440 V9.1.1 (2011-05)**

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 9.1.1 Release 9)

**ETSI TS 136 442 V10.0.1 (2011-05)**

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 10.0.1 Release 10)

**ETSI TS 136 442 V9.1.1 (2011-05)**

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 9.1.1 Release 9)

**ETSI TS 136 445 V10.0.1 (2011-05)**

LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M1 data transport (3GPP TS 36.445 version 10.0.1 Release 10)

**ETSI TS 136 445 V9.2.1 (2011-05)**

LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); M1 data transport (3GPP TS 36.445 version 9.2.1 Release 9)

**ETSI TS 136 455 V10.0.1 (2011-05)**

LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 10.0.1 Release 10)

**ETSI TS 136 455 V9.4.1 (2011-05)**

LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 9.4.1 Release 9)

**ETSI TS 137 320 V10.1.0 (2011-04)**

Universal Mobile Telecommunications System (UMTS); LTE; Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA); Radio measurement collection for Minimization of Drive Tests (MDT); Overall description; Stage 2 (3GPP TS 37.320 version 10.1.0 Release 10)

**ETSI TS 141 101 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Technical Specifications and Technical Reports for a GERAN-based 3GPP system (3GPP TS 41.101 version 10.0.0 Release 10)

**ETSI TS 142 033 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Lawful Interception; Stage 1 (3GPP TS 42.033 version 10.0.0 Release 10)

**ETSI TS 142 043 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Support of Localised Service Area (SoLSA); Service description; Stage 1 (3GPP TS 42.043 version 10.0.0 Release 10)

**ETSI TS 142 056 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1 (3GPP TS 42.056 version 10.0.0 Release 10)

**ETSI TS 142 068 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Voice Group Call Service (VGCS); Stage 1 (3GPP TS 42.068 version 10.0.0 Release 10)

**ETSI TS 142 069 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Voice Broadcast Service (VBS); Stage 1 (3GPP TS 42.069 version 10.0.0 Release 10)

**ETSI TS 143 005 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Technical performance objectives (3GPP TS 43.005 version 10.0.0 Release 10)

**ETSI TS 143 010 V10.0.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); GSM Public Land Mobile Network (PLMN) connection types (3GPP TS 43.010 version 10.0.1 Release 10)

**ETSI TS 143 020 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Security-related network functions (3GPP TS 43.020 version 10.0.0 Release 10)

**ETSI TS 143 033 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 3G security; Lawful Interception; Stage 2 (3GPP TS 43.033 version 10.0.0 Release 10)

**ETSI TS 143 045 V10.0.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Technical Realization of Facsimile Group 3 Service - transparent (3GPP TS 43.045 version 10.0.1 Release 10)

**ETSI TS 143 050 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Transmission planning aspects of the speech service in the GSM Public Land Mobile Network (PLMN) system (3GPP TS 43.050 version 10.0.0 Release 10)

**ETSI TS 143 073 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Support of Localised Service Area (SoLSA); Stage 2 (3GPP TS 43.073 version 10.0.0 Release 10)

**ETSI TS 144 021 V10.0.1 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Rate adaption on the Mobile Station - Base Station System (MS-BSS) interface (3GPP TS 44.021 version 10.0.1 Release 10)

**ETSI TS 144 064 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Mobile Station - Serving GPRS Support Node (MS-SGSN); Logical Link Control (LLC) Layer Specification (3GPP TS 44.064 version 10.0.0 Release 10)

**ETSI TS 144 071 V10.0.1 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Location Services (LCS); Mobile radio interface layer 3 LCS specification (3GPP TS 44.071 version 10.0.1 Release 10)

**ETSI TS 146 001 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Full rate speech; Processing functions (3GPP TS 46.001 version 10.0.0 Release 10)

**ETSI TS 146 002 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Half rate speech; Half rate speech processing functions (3GPP TS 46.002 version 10.0.0 Release 10)

**ETSI TS 146 006 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Half-rate speech; ANSI-C code for GSM half-rate speech codec (3GPP TS 46.006 version 10.0.0 Release 10)

**ETSI TS 146 007 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Half rate speech; Test sequences for the GSM half rate speech codec (3GPP TS 46.007 version 10.0.0 Release 10)

**ETSI TS 146 008 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec (3GPP TS 46.008 version 10.0.0 Release 10)

**ETSI TS 146 010 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Full-rate speech; Transcoding (3GPP TS 46.010 version 10.0.0 Release 10)

**ETSI TS 146 011 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Full rate speech; Substitution and muting of lost frames for full rate speech channels (3GPP TS 46.011 version 10.0.0 Release 10)

**ETSI TS 146 012 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Full rate speech; Comfort noise aspect for full rate speech traffic channels (3GPP TS 46.012 version 10.0.0 Release 10)

**ETSI TS 146 020 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Half rate speech; Half rate speech transcoding (3GPP TS 46.020 version 10.0.0 Release 10)

**ETSI TS 146 021 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels (3GPP TS 46.021 version 10.0.0 Release 10)

**ETSI TS 146 022 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Half rate speech; Comfort noise aspects for the half rate speech traffic channels (3GPP TS 46.022 version 10.0.0 Release 10)

**ETSI TS 146 031 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels (3GPP TS 46.031 version 10.0.0 Release 10)

**ETSI TS 146 032 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Full rate speech; Voice Activity Detector (VAD) for full rate speech traffic channels (3GPP TS 46.032 version 10.0.0 Release 10)

**ETSI TS 146 041 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Half rate speech; Discontinuous Transmission (DTX) for half rate speech traffic channels (3GPP TS 46.041 version 10.0.0 Release 10)

**ETSI TS 146 042 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels (3GPP TS 46.042 version 10.0.0 Release 10)

**ETSI TS 146 051 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Enhanced Full Rate (EFR) speech processing functions; General description (3GPP TS 46.051 version 10.0.0 Release 10)

**ETSI TS 146 053 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec (3GPP TS 46.053 version 10.0.0 Release 10)

**ETSI TS 146 054 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Test sequences for the GSM Enhanced Full Rate (EFR) speech codec (3GPP TS 46.054 version 10.0.0 Release 10)

**ETSI TS 146 060 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Enhanced Full Rate (EFR) speech transcoding (3GPP TS 46.060 version 10.0.0 Release 10)

**ETSI TS 146 061 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Substitution and muting of lost frames for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.061 version 10.0.0 Release 10)

**ETSI TS 146 062 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.062 version 10.0.0 Release 10)

**ETSI TS 146 081 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Discontinuous Transmission (DTX) for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.081 version 10.0.0 Release 10)

**ETSI TS 146 082 V10.0.0 (2011-04)**

Digital cellular telecommunications system (Phase 2+); Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.082 version 10.0.0 Release 10)

**ETSI TS 148 001 V10.0.1 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; General aspects (3GPP TS 48.001 version 10.0.1 Release 10)

**ETSI TS 148 008 V7.14.1 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Mobile Switching Centre - Base Station system (MSC-BSS) interface; Layer 3 specification (3GPP TS 48.008 version 7.14.1 Release 7)

**ETSI TS 148 020 V10.0.1 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Rate adaption on the Base Station System - Mobile-services Switching Centre (BSS-MSC) interface (3GPP TS 48.020 version 10.0.1 Release 10)

**ETSI TS 148 071 V10.0.1 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification (3GPP TS 48.071 version 10.0.1 Release 10)

**ETSI TS 151 010-4 V4.18.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 4.18.0 Release 4)

**ETSI TS 152 008 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Telecommunication management; GSM subscriber and equipment trace (3GPP TS 52.008 version 10.0.0 Release 10)

**ETSI TS 152 402 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Telecommunication management; Performance Management (PM); Performance measurements - GSM (3GPP TS 52.402 version 10.0.0 Release 10)

**ETSI TS 155 205 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 155 216 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specification (3GPP TS 55.216 version 10.0.0 Release 10)

**ETSI TS 155 217 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data (3GPP TS 55.217 version 10.0.0 Release 10)

**ETSI TS 155 218 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Specification of the A5/3 encryption algorithms for GSM and ECSD, and the GEA3 encryption algorithm for

GPRS; Document 3: Design and conformance test data (3GPP TS 55.218 version 10.0.0 Release 10)

**ETSI TS 155 226 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); 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 10.0.0 Release 10)

**ETSI TS 155 236 V10.0.0 (2011-05)**

Digital cellular telecommunications system (Phase 2+); Specification of A8\_V MILENAGE Algorithm: An example algorithm for the key generation function A8\_V (3GPP TS 55.236 version 10.0.0 Release 10)

**ETSI TS 183 043 V3.4.1 (2011-04)**

Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); IMS-based PSTN/ISDN Emulation; Stage 3 specification

Parengė **Lyda Mažeikienė**

# Lietuvos standartizacijos departamentas

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Direktoriaus pavaduotojas .....	☎ 270 9345	206 kab.
	Faksas ☎ 212 6252	

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Vyriausioji specialistė teisėkūrai .....	☎ 279 1140	309 kab.
Vyriausioji specialistė mokymams ir archyviui .....	☎ 270 9360	205 kab.
Padėjėja ryšiams su visuomene .....	☎ 279 1135	401 kab.

## STANDARTIZACIJOS SKYRIUS

Vedėja. Bendrieji klausimai .....	☎ 270 9361	319 kab.
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Poskyrio vedėja. Žaislai, kokybės vadyba, techniniai brėžiniai, paslaugos, socialinė atsakomybė .....	☎ 270 9365	311 kab.
Tekstilė, dujų sistemos, nafta ir naftos produktai, popierius, informacija ir dokumentavimas .....	☎ 279 1134	318 kab.
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### 4-asis poskyris

Poskyrio vedėjas. Bendrieji klausimai, statybinės konstrukcijos, priešgaisrinė sauga. Baldai, mediena, ..... techninė pagalba neįgaliesiems, ugniai atsparios medžiagos	☎ 279 1150	312 kab.
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Vedėja. Bendrieji klausimai. Standartizacijos darbų planavimas .....	☎ 270 9366	212 kab.
Tarptautinių ir Europos standartų perėmimas .....	☎ 279 1138	202 kab.
Standartų lietuviškų terminų ekspertizė .....	☎ 279 1153	217 kab.
Standartų lietuvių kalbos ekspertizė .....	☎ 270 9371	209 kab.
	☎ 279 11 53	217 kab.
Standartų techninis redagavimas ir maketavimas .....	☎ 270 9357	210 kab.
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## INFORMACIJOS SKYRIUS

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### Notifikavimo ir informacijos poskyris

Poskyrio vedėja. Keitimosi informacija pagal Direktyvos 98/34/EB nuostatas klausimai .....	☎ 270 9347	214 kab.
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Informacinių technologijų klausimai .....	☎ 270 9364	213 kab.
Lietuvos standartų duomenų bazė .....	☎ 270 9364	213 kab.
Departamento terminų duomenų bazė .....	☎ 279 1137	213 kab.

Biblioteka .....	☎ 279 1142	315 kab.
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### Platinimo poskyris

Poskyrio vedėja. Užsienio standartų ir kitų dokumentų platinimas .....	☎ 270 9348	307 kab.
Departamento leidinių platinimas .....	☎ 270 9343	306 kab.
Dokumentų kopijavimas .....	☎ 279 1139	305 kab.

## FINANSŲ IR ADMINISTRAVIMO SKYRIUS

Vedėja .....	☎ 270 9346	201 kab.
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Departamentas priima interesantus ir konsultuoja darbo dienomis nuo 10 iki 12 valandos ir nuo 13 iki 15 valandos (T. Kosciuškos g. 30, LT-01100 Vilnius, el. paštas [lstboard@lsd.lt](mailto:lstboard@lsd.lt), interneto tinklalapis <http://www.lsd.lt>)

## VIEŠOJI ĮSTAIGA LST Sert (VšĮ LST Sert)

(Konstitucijos pr. 15/5-15, LT-08106 Vilnius)

Direktorius .....	☎ 270 9344
Projektų direktorius .....	☎ 270 9356
Rinkodaros direktorius .....	☎ 270 9356
	Faksas ☎ 270 9356

## LIETUVOS STANDARTIZACIJOS DEPARTAMENTAS

**Departamentas** formuoja ir dalyvauja įgyvendinant kartu su suinteresuotomis Lietuvos Respublikos Vyriausybės institucijomis, įmonėmis, įstaigomis ir organizacijomis Lietuvos Respublikos Vyriausybės politiką standartizacijos srityje.

**Departamentas** koordinuoja visų veiklos sričių standartizacijos darbus ir metodiškai jiems vadovauja.

**Departamentas** sudaro technikos komitetus (TK) Lietuvos standartų projektams rengti.

**Departamentas** atlieka Pasaulinės prekybos organizacijos *Sutarties dėl techninių prekybos kliūčių* nacionalinės užklausų tarnybos funkcijas.

**Departamentas** dalyvauja Lietuvos, Latvijos ir Estijos nacionalinių standartizacijos institucijų **Baltijos standartizacijos forume** nuo 1999 m.

**Departamentas** atstovauja Lietuvai tarptautinėse ir Europos organizacijose:

Tarptautinėje standartizacijos organizacijoje (ISO) – narys nuo 2008 m.;

Tarptautinėje elektrotechnikos komisijoje (IEC) – asocijuotasis narys nuo 1996 m.;

Europos standartizacijos komitete (CEN) – narys nuo 2003 m.;

Europos elektrotechnikos standartizacijos komitete (CENELEC) – narys nuo 2003 m.;

Europos telekomunikacijų standartų institute (ETSI) – narys nuo 1996 m.