

Other specifications and reports (continued)

VHF Digital Link Mode 4 – Ground-based equipment

VHF air-ground Digital Link (VDL) Mode 4 radio equipment; Technical characteristics and methods of measurement for ground-based equipment; Part 1: EN for ground equipment	EN 301 842-1 Ver. 1.3.2	Published 2010
Part 2: General description and data link layer	EN 301 842-2 Ver. 1.6.1	Awaiting approval
Part 3: Additional broadcast aspects	EN 301 842-3 Ver. 1.3.1	Awaiting approval
Part 4: Point-to-point functions	EN 301 842-4 Ver. 1.2.2	Published 2010

Passenger services

Technical characteristics for airborne in-flight entertainment systems operating in the frequency range 5 150 to 5 875 MHz	TR 102 631 Ver. 1.1.1	Published 2008
Harmonized EN for the GSM onboard aircraft system covering the essential requirements of Article 3.2 of the R&TTE Directive	EN 302 480 Ver. 1.1.2	Published 2008

Satellite

Aircraft Earth Stations (AES) operating under the Aeronautical Mobile Satellite Service (AMSS)/Mobile Satellite Service (MSS) and/or the Aeronautical Mobile Satellite on Route Service (AMS(R)S)/Mobile Satellite Service (MSS)	EN 301 473 Ver. 1.3.1	Published 2004
Harmonized EN for satellite mobile Aircraft Earth Stations (AESs) operating in the 11/12/14 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE Directive	EN 302 186 Ver. 1.1.1	Published 2004

EN = European Standard; TS = ETSI Technical Specification; TR = ETSI Technical Report

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Written by the industry for the industry, all of ETSI's published documents may be downloaded **free of charge** from <http://pda.etsi.org/pda>

Community Specifications (OJEU listed)

Surface Movement guidance and control

Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 1: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 1 including external interfaces	EN 303 213-1 Ver. 1.2.1	Published 2010
Part 2: Level 2 including external interfaces	EN 303 213-2 Ver. 1.1.1	Published 2010
Part 3: Specification for a deployed cooperative sensor including its interfaces	EN 303 213-3 Ver. 1.1.1	Published 2010
Part 4-1: Specification for a deployed non-cooperative sensor including its interfaces; Sub-part 1: Generic requirements for a non-cooperative sensor	EN 303 213-4-1 Ver. 1.1.1	Published 2010
Part 4-2: Sub-part 2: Specific requirements for a deployed Surface Movement Radar sensor	EN 303 213-4-2 Ver. 1.1.1	Published 2010

Airport operations

Airport Collaborative Decision Making (A-CDM); Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004	EN 303 212 Ver. 1.1.1	Published 2010
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Candidate Community Specifications

Data Link Services

Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for Data Link Services	EN 303 214 Ver. 1.1.1	Awaiting approval
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Harmonized Standards: Ground-based transmitters, receivers & transceivers; A-SMGCS; VDL Mode 2/4...

Classification of RF parameters of ground-based Air Traffic Management-related radio equipment as being governed by R&TTE Directive or SES Interoperability Regulation	TR 103 065 Ver. 1.1.1	Published 2010
Ground-based UHF radio transmitters, receivers & transceivers for UHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics & methods of measurement	EN 302 617-1 Ver. 1.1.1	Published 2009
Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive	EN 302 617-2 Ver. 1.1.1	Published 2010
Ground-based VHF hand-held, mobile & fixed radio transmitters, receivers & transceivers for the VHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics and methods of measurement	EN 300 676-1 Ver. 1.51	Published 2010
Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive	EN 300 676-2 Ver. 1.4.1	Published 2010

Harmonized Standards: Ground-based transmitters, receivers & transceivers; A-SMGCS; VDL Mode 2/4... (continued)

Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonized EN covering the essential requirements of article 3.2. of the R&TTE Directive for transmitter used in multilateration equipment	EN 303 213-5 Ver. 1.1.1	In draft
Part 6: Harmonized EN covering the essential requirements of article 3.2. of the R&TTE Directive for deployed surface movement radar sensors: Sup-part 1: Sensors using pulsed signals and transmitting power up to 100 kW	EN 303 213-6-1 Ver. 1.1.1	Awaiting approval
VHF air-ground Digital Link (VDL) Mode 2; Part 3: Harmonized EN covering the essential requirements of article 3.2. of the R&TTE Directive	EN 301 841-3 Ver. 1.3.1	In draft
VHF air-ground and air-air Digital Link (VDL) Mode 4 radio equipment; Technical characteristics and methods of measurement for aeronautical mobile (airborne) equipment; Part 5: Harmonized EN covering the essential requirements of article 3.2. of the R&TTE Directive	EN 302 842-5 Ver. 1.2.1	In draft

Other specifications and reports

ElectroMagnetic Compatibility

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	EN 301 489-1 Ver. 1.8.1	Published 2008. Ver.1.9.1 in preparation
Part 22: Specific conditions for ground based VHF aeronautical mobile and fixed radio equipment	EN 301 489-22 Ver. 1.3.1	Published 2004

VHF Digital Link Mode 2—Ground-based equipment

VHF air-ground Digital Link (VDL) Mode 2; Technical characteristics and methods of measurement for ground-based equipment; Part 1: Physical layer and MAC sub-layer	EN 301 841-1 Ver. 1.3.1	Published 2010
Part 2: Upper layers	EN 301 841-2 Ver. 1.1.1	Published 2004

VHF Digital Link Mode 4—Airborne equipment

VHF air-ground and air-air Digital Link (VDL) Mode 4 radio equipment; Technical characteristics and methods of measurement for aeronautical mobile (airborne) equipment; Part 1: Physical layer	EN 302 842-1 Ver. 1.2.2	Published 2010
Part 2: General description and data link layer	EN 302 842-2 Ver. 1.3.1	Awaiting approval
Part 3: Additional broadcast aspects	EN 302 842-3 Ver. 1.3.1	Awaiting approval
Part 4: Point-to-point functions	EN 302 842-4 Ver. 1.2.2	Published 2010