



Newsletter

April 2024

Digital & Product Solutions
Business Line **EMC & RF**

innovating safety & security



歐洲（歐盟 27 國及英國）

ETSI RED 工作計劃新標準版本更新

ETSI 正在不斷發展 EMC/RF 測試標準，下表總結了 2024 年第 1 季度最常見測試標準的最新更新：

Test Standard	Title	Comments
Draft EN 301 893 V2.1.52	5 GHz WAS/RLAN	Final Draft. First European Commission assessment completed and comments addressed. Public Enquiry completed and addressing comments received.
Draft EN 303 687 V1.1.3	6 GHz WAS/RLAN	Early Draft. Test Standard development work is just starting.
Draft EN 301 908-3 V15.0.0	IMT cellular networks Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)	Final Draft. Under final ETSI Approval Process. Once it is completed, the final assessment form European Commission is required.
Draft EN 301 908-13 V17.1.1_V0.0.9	IMT cellular networks Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)	Stable Draft. European Commission first assessment received.
Draft EN 301 908-14 V17.1.1_0.0.9	IMT cellular networks Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)	Stable Draft. Change in Work Item. Test Standard development work is progressing.
Draft EN 301 908-18 V17.1.1_V15.0.4	IMT cellular networks Part 18: NR, E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS)	Stable Draft. To be sent in short to European Commission for first assessment.
Draft EN 301 908-25 V1.1.1_V0.0.21	IMT cellular networks Part 25: New Radio (NR) User Equipment (UE)	Final Draft for Working Group approval. Second European Commission assessment received. Standard requires minor or limited number of changes.
Draft EN 301 908-26 V1.1.1_0.0.2	IMT cellular networks Part 26: Aerial User Equipment (UE)	Early Draft. Test Standard development work is just starting.
Draft EN 301 406-1 V3.1.5	Digital Enhanced Cordless Telecommunications (DECT) Part 1: DECT, DECT Evolution and DECT ULE	Stable Draft. Test Standard development work is progressing.
Draft EN 301 783 V0.0.4	Commercially available amateur radio equipment	Stable Draft. Test Standard development work is progressing.



Draft EN 300 220-2 V3.3.1_0.0.22	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz with power levels ranging up to 500 mW e.r.p. Part 2: Harmonised Standard for access to radio spectrum for non specific radio equipment	Final Draft. First European Commission assessment completed and comments addressed. Under Public Enquiry. New version includes the following updates with regard to v3.2.1: <ul style="list-style-type: none">- Separation of OBW requirement from frequency stability (drift) clauses.- Clarifications in Spectrum mask at permitted frequency band edges.- Addition of receiver parameters according to ETSI guide EG 203336 v1.2.1.- Addition of tests for timing compliance of equipment using polite spectrum access.
Draft EN 300 440-2 V3.1.1_V0.0.13	Short Range Devices (SRD) Radiodetermination equipment for location tracking applications operating in the frequency range 1 GHz to 40 GHz	Early Draft. Test Standard development work is progressing.
Draft EN 300 440-3 V1.1.1_0.0.4	Short Range Devices (SRD) Intrusion radiodetermination equipment operating in the frequency range 1 GHz to 40 GHz	Early Draft. Test Standard development work is just starting.
EN 302 208 V3.4.1	Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W	Already published by ETSI and delivered to European Commission for final assessment. Waiting for its publication as Harmonised Standard in OJEU. New version includes the following updates with regard to v3.3.1: <ul style="list-style-type: none">- Resolution Bandwidth (RBW) for Spurious Emission measurement has been specified according to ERC Recommendation 74-01.- Correction in Unwanted Emissions Spectrum Mask figure.- Other editorial corrections.
Draft EN 303 851 V0.0.7	Radio Frequency Identification Equipment operating in the band 2 446 MHz to 2 454 MHz with power levels up to a maximum of 500 mW e.i.r.p. and up to a maximum of 4 W e.i.r.p	Final Draft. First European Commission assessment completed and comments addressed. Under Working Group Approval Process.
Draft EN 301 091-3 V1.1.1_0.0.5	Short Range Devices; Transport and Traffic Telematics (TTT) Radar equipment operating in the 76 GHz to 77 GHz range Part 3: Equipment for railway applications	Early Draft. Test Standard development work is just starting.



Draft EN 302 065-3-1 V3.1.0_0.2.8	Short Range Devices (SRD) using Ultra Wide Band technology (UWB) Part 3: UWB devices installed in motor and railway vehicles Sub-part 1: Requirements for UWB devices for vehicular access systems within 3,8 GHz to 4,2 GHz or 6 GHz to 8,5 GHz	Draft review after Public Enquiry. Second European Commission Assessment completed.
Draft EN 302 065-3-3 V1.1.1_0.0.4	Short Range Devices (SRD) using Ultra Wide Band technology (UWB) Part 3: UWB devices installed in road and rail vehicles Sub-part 3: Requirements for UWB radiodetermination applications operating within 6,0 GHz to 8,5 GHz	Early Draft. Test Standard development work is just starting.
Draft EN 302 065-4-1 V2.1.1_0.2.7	Short Range Devices (SRD) using Ultra Wide Band technology (UWB) Part 4: Material Sensing devices Sub-part 1: Building material analysis below 10,6 GHz	Draft review after Public Enquiry. Second European Commission Assessment completed.
Draft EN 303 940-1 V1.1.1_0.0.3	Short Range Devices (SRD) using Ultra Wide Band technology (UWB) Part 1: Millimeter Wave Security Scanners operating in 60-82 GHz	Early Draft. Test Standard development work is just starting.
Draft EN 302 729-1 V3.1.1_0.1.0	Short Range Devices (SRD) using Ultra Wide Band technology (UWB) Part 1: 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 for strictly vertical downward installation	Stable Draft. European Commission first assessment completed. Under Working Group Approval Process.
Draft EN 303 659 V0.0.15	Short Range Devices (SRD) in Data Networks Radio equipment to be used in the frequency ranges 865 MHz to 868 MHz and 915 MHz to 919,4 MHz with power levels ranging up to 500 mW e.r.p.	Stable Draft. To be sent in short to European Commission for first assessment.
Draft EN 303 661 V1.1.1	Short Range Devices (SRD) Ground Based Synthetic Aperture Radar (GBSAR) in the frequency range 17,1 GHz to 17,3 GHz and High Definition Ground Based Synthetic Aperture Radar (HD-GBSAR) in the frequency range 76 GHz to 77 GHz	Final Draft. Under final ETSI Approval Process. Once it is completed, the final assessment form European Commission is required.
Draft EN 305 550-6 V1.1.1_0.1.0	Short Range Devices (SRD) to be used in the 40 GHz to 260 GHz frequency range Part 6: Specific radiodetermination applications - Tank Level Probing Radar (TLPR) and Level Probing Radar (LPR) equipment operating in the frequency ranges 116 GHz to 148,5 GHz; 167 GHz to 182 GHz and 231,5 GHz to 250 GHz	Stable Draft. Test Standard development work is progressing.



Draft EN 304 220-1 V1.1.0	Wideband data transmission SRD operating in the frequency range 25 MHz to 1 000 MHz Part 1: Wideband data transmission devices: network access points operating in designated bands	Final Draft. Second European Commission assessment completed and comments addressed. Under final ETSI Approval Process. Once it is completed, the final assessment form European Commission is required.
Draft EN 304 220-2 V1.1.0	Wideband data transmission SRD operating in the frequency range 25 MHz to 1 000 MHz Part 2: Wideband data transmission devices: terminal node operating in designated bands	Final Draft. Second European Commission assessment completed and comments addressed. Under final ETSI Approval Process. Once it is completed, the final assessment form European Commission is required.
Draft EN 303 753 V1.1.0	Wideband Data Transmission Systems (WDTS) for Mobile and Fixed Radio Equipment operating in the 57 - 71 GHz band	Final Draft. Under final ETSI Approval Process. Once it is completed, the final assessment form European Commission is required.
Draft EN 302 217-2 V3.4.1_V0.0.3	Fixed Radio Systems Characteristics and requirements for point-to-point equipment and antennas Part 2: Digital systems operating in frequency bands from 1 GHz to 174,8 GHz	Stable Draft. Test Standard development work is progressing.
Draft EN 302 326-2 V2.2.1_V0.0.4	Fixed Radio Systems Multipoint Equipment and Antennas Part 2: Harmonised Standard for access to radio spectrum	Stable Draft. Test Standard development work is progressing.
Draft EN 300 386 V2.2.4	Telecommunication network equipment Harmonised Standard for ElectroMagnetic Compatibility (EMC) requirements	Early Draft. Test Standard development work is just starting.
Draft EN 301 489-9 V2.2.1_V0.0.0	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio, in-ear monitoring, ALD and Cochlear Implant devices	Early Draft. Test Standard development work is just starting.
EN 301 489-17 V3.3.1_0.0.9	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 17: Specific conditions for Broadband and Wideband Data Transmission Systems	Draft review after Public Enquiry. Second European Commission Assessment completed. Standard shows lack of compliance and it requires a redrafting with substantial changes.
Draft EN 301 489-28 V0.0.10	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 28: Specific conditions for wireless digital video links	Draft review after Public Enquiry. Second European Commission Assessment completed. Standard shows lack of compliance and it requires a redrafting with substantial changes.



Draft EN 301 489-52 V1.3.1_V0.0.4	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 52: Specific conditions for Cellular Communication User Equipment (UE) radio and ancillary equipment	Stable Draft. European Commission first assessment received. Standard requires minor or limited number of changes. New version includes 5G FR2.
Draft EN 301 489-55 V0.0.1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 55: Specific conditions for ground based equipment for air navigation operating on 1030 MHz and 1090 MHz	Early Draft. Test Standard development work is just starting.

與短程設備 (Short Range Device, SRD) 使用相關的 ERC Rec 70-03 已於 2024 年 3 月 8 日更新

繼 ERC Rec 70-03 的定期更新之後，3 月份的更新中包含以下更改：

- 附件 1 – 非特定短程設備：修改頻段 f1 調變/占用頻寬 OBW 要求

Frequency Band	Power	Mitigation Req	Mod/OBW	Notes
f1 169.4-169.475 MHz	500 mW e.r.p.	≤ 1% duty cycle	Not specified	Band referenced in ECC/DEC/(05)02. OBW ≤ 50 kHz restriction removed.

- 附件 2 – 追蹤、追蹤與資料收集：修改頻段 b 調變/占用頻寬 OBW 要求

Frequency Band	Power	Mitigation Req	Mod/OBW	Notes
b 169.4-169.475 MHz	500 mW e.r.p.	≤ 1% duty cycle	Not specified	Band referenced in ECC/DEC/(05)02. OBW ≤ 50 kHz restriction removed.



- 附件 6 – 無線電測定應用：新增頻段 q 和 r

Frequency Band	Power	Mitigation Req	Mod/OBW	Notes	
q	69.8-79.9 GHz	7 dBm e.i.r.p.	No requirement	Not specified	New band for security scanners operated indoors.
r	76.5-80.5 GHz	19 dBm peak e.i.r.p. [*]	No requirement	Not specified	New band for security scanners operated indoors.

[*]: At least 23 dB out-of-band attenuation relative to the maximum allowed peak e.i.r.p. is required.

Additional Information:

- ERC Recommendation 70-03: <https://docdb.cept.org/document/845>

UKCA 指定標準

英國無線電設備指定標準已於 2024 年 2 月 2 日更新，與 2023 年 11 月 27 日發佈的最新 EU-27 RED 協調標準清單完全一致

Additional Information:

- UK Radio Equipment Designated Standards: <https://www.gov.uk/government/publications/designated-standards-radio-equipment>

英國政府將在 2024 年春季之前更新立法，以幫助製造商在英國市場上為一系列商品投放帶有 CE 標誌的產品

2024 年 1 月，英國商業與貿易部發佈了“政策更新：使用英國或歐盟產品標記在英國上市”檔，推進了英國政府計劃在 2024 年春季之前在新立法中發佈的變化。

英國政府打算引入以下變化:

- **繼續獲得 CE 標誌認可。**英國政府將無限期承認除醫療器械、建築產品、索道、可運輸壓力設備、無人機系統 (UAS)、鐵路產品和海洋設備產品以外的主要產品的 CE 標誌。
- **快速跟蹤 UKCA 流程。**使用此過程，製造商可以使用 UKCA 標誌將產品投放到 GB 市場上。UKCA 快速通道意味著製造商可以使用 UKCA 標誌來證明他們已滿足英國或歐盟公認的適用於產品的每項法規的基本要求和合格評定程式。
- **標籤要求。**製造商可以選擇直接在產品上貼上標籤、粘性標籤或使用數字標籤。

Additional Information:

- UK Government Policy Update Document: <https://assets.publishing.service.gov.uk/media/65b7b5058c576200126478da/industry-explainer-placing-products-on-the-market-in-great-britain-using-uk-or-eu-product-markings.pdf>



北美（美國和加拿大）

FCC KDBs 更新

2024 年第 1 季度發佈/更新的主要 KDB：

KDB	Status	Question	Comments
511808	New	What are the procedures for getting an Equipment authorization for Part 90 subpart M and Part 95 Subpart L devices using C-V2X systems for named entities under a waiver?	KDB provides administrative and technical guidance for entities who received FCC waiver approval to obtain the FCC grant.
484596	Update	What is the FCC's policy permitting the referencing of test data from another equipment authorization application?	Typo errors correction.
941225	Update	What are the SAR test procedures for 3G/4G devices?	Clarification about the size limit for UMPC Mini-Tablet classification (diagonal dimension ≤ 20 cm). The diagonal dimension to be compared to the 20 cm threshold for considering a device as UMPC Mini-Tablet is to be rounded to the first decimal, i.e., the nearest tenth. In other words, any number less than 20.05 cm will be considered the same as less than 20 cm, while any number 20.05 cm or larger will be regarded as greater than 20 cm

FCC 批准了 AFC Systems 的七家申請，根據 FCC 的無證操作規則在 6 GHz 頻段運行

2024 年 2 月 23 日，FCC 宣佈批准 Qualcomm、Federated Wireless、Sony、Comsearch、Wi-Fi Alliance、Wireless Broadband Alliance 和 Broadcom 根據 ET Docket 案卷編號 21-352 提交的營運自動頻率協調（AFC）系統的申請。

這七個 AFC 系統都經過了嚴格的測試計劃，包括實驗室測試和公開試驗。該測試的結果表明，這七個 AFC 系統的運行符合 FCC 關於 6 GHz 非授權頻段（5.925 - 7.125 GHz）非授權規則的規則，這些規則旨在防止標準電源接入設備和固定客戶端設備對 6 GHz 頻段的許可微波接收器和某些射電天文臺的有害干擾。美國 DEKRA 德凱實驗室（DEKRA Certification, Inc.）對高通、索尼和聯合無線 AFC 系統進行了實驗室測試。

這七個 AFC 系統現在被允許管理 U-NII-5（5.925-6.425 GHz）和 U-NII-7（6.525-6.875 GHz）的頻譜訪問，以進行商業營運。

Additional Information:

- FCC Announcement: <https://docs.fcc.gov/public/attachments/DOC-400722A1.pdf>



- FCC Public Notice: <https://docs.fcc.gov/public/attachments/DA-24-166A1.pdf>

FCC ET Docket 案卷編號 19-138 (C-V2X) 更新

以下實體最近填寫了在 5.905-5.925 GHz 頻段使用 C-V2X 技術的豁免請求，並提出了與“C-V2X 聯合豁免方”中提出的類似技術要求：

- 緬因州交通部
- 日產北美技術中心
- IT-電信

Additional Information:

- ET Docket No. 19-138: [https://www.fcc.gov/ecfs/search/search-filings/results?q=\(proceedings.name:\(%2219-138%22\)\)](https://www.fcc.gov/ecfs/search/search-filings/results?q=(proceedings.name:(%2219-138%22)))

ISED 更新

ISED 無線電標準於 2024 年第 1 季度更新：

Test Standard	Status	Title	Comments
ICES-Gen Issue 2	Update	General Requirements for Compliance of Interference-Causing Equipment	<p>New standard version has a 12 months transition period.</p> <p>Main updates are:</p> <ul style="list-style-type: none"> - Add calibration requirements for measurement equipment - Update requirements for Host Devices. - Clarify requirements for Accessories, DC and AC operated equipment and external Power Supplies. - Add QR Code Labelling. - Clarify requirements for User Manual and Electronic Labelling.
RSS-287 Issue 3	Update	Emergency Position Indicating Radio Beacons (EPIRB), Emergency Locator Transmitters (ELT), Personal Locator Beacons (PLB), and Maritime Survivor Locator Devices (MSLD)	<p>New standard version has a 6 months transition period.</p> <p>Main updates are:</p> <ul style="list-style-type: none"> - Include Automatic Identification System (AIS) and Digital Selective Calling (DSC). - Segregate the requirements by device type. - Include Transport Canada Requirement.
RSS-295 Issue 1	Draft	Licence-Exempt Radio Apparatus Operating in the Frequency Bands 116-123 GHz, 174.8-182 GHz, 185-190 GHz and 244-246 GHz	<p>New standard for short range devices, and fixed point-to-point radio equipment operating in the frequency bands 116-123 GHz, 174.8-182 GHz, 185-190 GHz and 244-246 GHz.</p> <p>The scope of the standard also fits with Automotive Radar 116-123 GHz.</p>



Test Standard	Status	Title	Comments
RSS-210 Issue 11	Draft	Licence-Exempt Radio Apparatus: Category I Equipment	<p>Draft under Consultation in Radio Advisory Board of Canada.</p> <p>Main updates are:</p> <ul style="list-style-type: none">- Technical clarifications.- Family Radio Service (FRS)/General Mobile Radio Service (GMRS) and General Mobile Radio Service-M (GMRS-M): Measurements shall be performed and reported in accordance with ANSI C63.26.- Wireless microphones operating in the television bands, in the 614-616 MHz band and in the 653-663 MHz band: Added technical specification for Wireless Multichannel Audio Systems (WMAS).- Devices operating in the band 57-71 GHz: Update use restrictions (Non-Fixed Field Disturbance Sensors and Automotive Radars are allowed and Devices can be used in-flight with certain limitations), define new emissions limits and clarify measurement requirements.- Wideband devices operating within the band 5925-7250 MHz: Clarified measurement procedure requirements.
RSS-133 Issue 7	Draft	Personal Communications Service Equipment Operating in the Bands 1850-1915 MHz and 1930-1995 MHz	<p>Draft under Consultation in Radio Advisory Board of Canada.</p> <p>Main updates are:</p> <ul style="list-style-type: none">- Modernized to reflect the current Radio Standards Specification structure.- Differentiation among Non-Active Antenna System (non-AAS) and Active Antenna System (AAS) Base Station/Fixed Station. Maximum power spectral density is different in both cases.- Removed requirements for mobile equipment identifier (MEID) and international mobile equipment identity (IMEI) as they are no longer required.



標準制定組織 (SDO)

國際電工委員會 (IEC)

2024 年第一季發布的與 EMC/RF 相關的主要 IEC 刊物：

Publication	Scope
CISPR 11:2024 CMV	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement
CISPR 15/AMD1:2024 PRV	Amendment 1 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
IEC 61000-3-2:2018+AMD1:2020+AMD2:2024 CSV	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
IEC TR 61000-1-9:2024	Electromagnetic compatibility (EMC) - Part 1-9: General - Evaluation of uncertainty for the measurement of harmonic current emissions
IEC TR 61000-3-18:2024	Electromagnetic compatibility (EMC) - Part 3-18: Limits - Assessment of network characteristics for the application of harmonic emission limits - Equipment connected to LV distribution systems not covered by IEC 61000-3-2 and IEC 61000-3-12
IEC TS 60601-4-2:2024	Medical electrical equipment - Part 4-2: Guidance and interpretation - Electromagnetic immunity: performance of medical electrical equipment and medical electrical systems
IEC 80601-2-26:2019+AMD1:2024 CSV	Medical electrical equipment - Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs
IEC 80601-2-58:2024 RLV	Medical electrical equipment - Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery
IEC 80601-2-78:2019+AMD1:2024 CSV	Medical electrical equipment - Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation
IEC 60669-2-2:2024 EXV	Switches for household and similar fixed electrical installations - Part 2-2: Particular requirements - Electromagnetic remote-control switches (RCS)
IEC 60669-2-3:2024 EXV	Switches for household and similar fixed electrical installations - Part 2-3: Particular requirements - Time-delay switches (TDS)
IEC 60669-2-4:2024 EXV	Switches for household and similar fixed electrical installations - Part 2-4: Particular requirements - Isolating switches
IEC 60947-5-1:2024	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices
IEC 61439-3:2024 EXV	Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO)
IEC 63404:2024	Switchgear and controlgear and their assemblies for low voltage - Integration of radiocommunication device above 380 MHz into an equipment



Publication	Scope
IEC 62271-200/AMD1:2024 PRV	Amendment 1 - High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV
IEC 60269-1:2024 PRV	Low-voltage fuses - Part 1: General requirements
IEC 61084-1:2017+AMD1:2024 CSV	Cable trunking systems and cable ducting systems for electrical installations - Part 1: General requirements
IEC 61084-2-2:2017+AMD1:2024 CSV	Cable trunking systems and cable ducting systems for electrical installations - Part 2-2: Particular requirements - Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor
IEC 61084-2-3:2017+AMD1:2024 CSV	Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets
IEC 61084-2-4:2017+AMD1:2024 CSV	Cable trunking systems and cable ducting systems for electrical installations - Part 2-4: Particular requirements - Service poles and service posts
IEC 61097-4:2024 CMV	Global maritime distress and safety system (GMDSS) - Part 4: Inmarsat-C ship earth station and Inmarsat enhanced group call (EGC) equipment - Operational and performance requirements, methods of testing and required test results
ISO/IEC GUIDE 98-1:2024	Guide to the expression of uncertainty in measurement - Part 1: Introduction
IEC 60939-3:2024 RLV	Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate
IEC 60966-2-1:2024	Radio frequency and coaxial cable assemblies - Part 2-1: Sectional specification for flexible coaxial cable assemblies
IEC 60966-2-2:2024	Radio frequency and coaxial cable assemblies - Part 2-2: Blank detail specification for flexible coaxial cable assemblies
IEC 60966-4-1:2024	Radio frequency and coaxial cable assemblies - Part 4-1: Blank detail specification for semi-rigid coaxial cable assemblies
IEC 61169-10:2024	Radio-frequency connectors - Part 10: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 3 mm (0,12 in) with snap-on coupling - Characteristic impedance 50 Ω (Type SMB)
IEC 61169-70:2024	Radio-frequency connectors - Part 70: Sectional specification for series HD-BNC radio-frequency coaxial connectors - Characteristic Impedance 75 Ω

Additional Information:

- Full List: <https://webstore.iec.ch/advsearchform?From=2024-01-01&To=2024-03-31>



歐洲電工委員會

2024 年第一季發布的與 EMC/RF 相關的主要歐洲電工委員會刊物：

Publication	Scope
CLC Guide 34:2024	Guide to the drafting and use of harmonized and non-harmonized EMC standards
EN IEC 61000-3-2:2019/A2:2024	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current < 16 A per phase)
EN 61000-3-12:2011/A1:2024	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
EN 60601-1:2006/A13:2024	Medical electrical equipment - Part 1: General requirements for safety
EN IEC 60601-2-35:2021/A1:2024	Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use
EN IEC 62052-11:2021/A12:2024	Electricity metering equipment - General requirements, tests and test conditions - Part 11: Metering equipment
EN IEC 60669-2-1:2022/AC:2024-01	Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic control devices
EN IEC 60730-1:2024	Automatic electrical controls - Part 1: General requirements
EN IEC 60730-1:2024/A11:2024	Automatic electrical controls - Part 1: General requirements
EN 60730-1:2016/A11:2024	Automatic electrical controls - Part 1: General requirements

Additional Information:

- CEN-CENELEC Standards Search: <https://standards.cenelec.eu/dyn/www/f?p=CEN:105::RESET:::>



國際標準化組織 (ISO)

2024 年第一季發布與 EMC/RF 相關的主要 ISO 刊物：

Publication	Scope
IEC 80601-2-26:2019/ Amd 1:2024	Medical electrical equipment Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs Amendment 1
IEC 80601-2-58:2024	Medical electrical equipment Part 2-58: Particular requirements for basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery
IEC 80601-2-78:2019/ Amd 1:2024	Medical electrical equipment Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation Amendment 1
ISO/IEC Guide 98-1:2024	Guide to the expression of uncertainty in measurement Part 1: Introduction

Additional Information:

- ISO Standards Search: <https://www.iso.org/advanced-search/x/>