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| IEC/TC OR SC: | SECRETARIAT: | DATE:          |
| <b>CISPR</b>  | <b>GB</b>    | <b>2019-11</b> |

Please ensure this form is annexed to the Report to the Standardization Management Board if it has been prepared during a meeting, or sent to the Central Office promptly after its contents have been agreed by the committee.

**A. STATE TITLE AND SCOPE OF TC**

CISPR :International special committee on radio interference

Scope:

Standardization in the field of electromagnetic compatibility (EMC) including:

- 1) Protection of radio reception in the range 9 kHz to 400 GHz from interference caused by operation of electrical or electronic products and systems in the electromagnetic environment.
- 2) Measurement instrumentation, facilities, methods and statistical analysis for the measurement of disturbance.
- 3) Limits for radio disturbances caused by electrical or electronic appliances and systems.
- 4) Requirements for the immunity of electrical appliances, multimedia equipment, information technology equipment and sound and television broadcast receiving installations from interference.
- 5) Liaison with IEC Technical Committees that maintain basic standards that apply the prescriptions of methods of measurement of immunity. Test levels for immunity tests are set by CISPR in relevant product standards.
- 6) The consideration jointly with other IEC and ISO committees of the emission and immunity requirements for devices and products where their standards cover EMC requirements which do not match to the respective requirements in CISPR standards.
- 7) Taking into account the impact of human safety issues on disturbance suppression and immunity of electrical products.

For further information about CISPR standards see the [CISPR Guide](#) and the [CISPR dashboard](#).

Note: The following list is not part of the CISPR scope but important to recognize that CISPR's member constituency includes more than national committees. I-members are shown here as CISPR is a special committee, unique in this aspect and the IEC web-site structure currently has no other section for such I membership.

The CISPR is composed of the following bodies:

Participating National Committees of the IEC and the following International Organizations:

- CEPT (European Conference of Postal and Telecommunications Administrations)
- CIGRE (International Council on Large Electric Systems)
- EBU (European Broadcasting Union)
- ECMA International
- ETSI (European Telecommunications Standards Institute)
- IARU (International Amateur Radio Union)
- ITU-R (International Telecommunication Union - Radio-communication Sector)
- ITU-T (International Telecommunication Union - Telecommunication Standardization Sector)

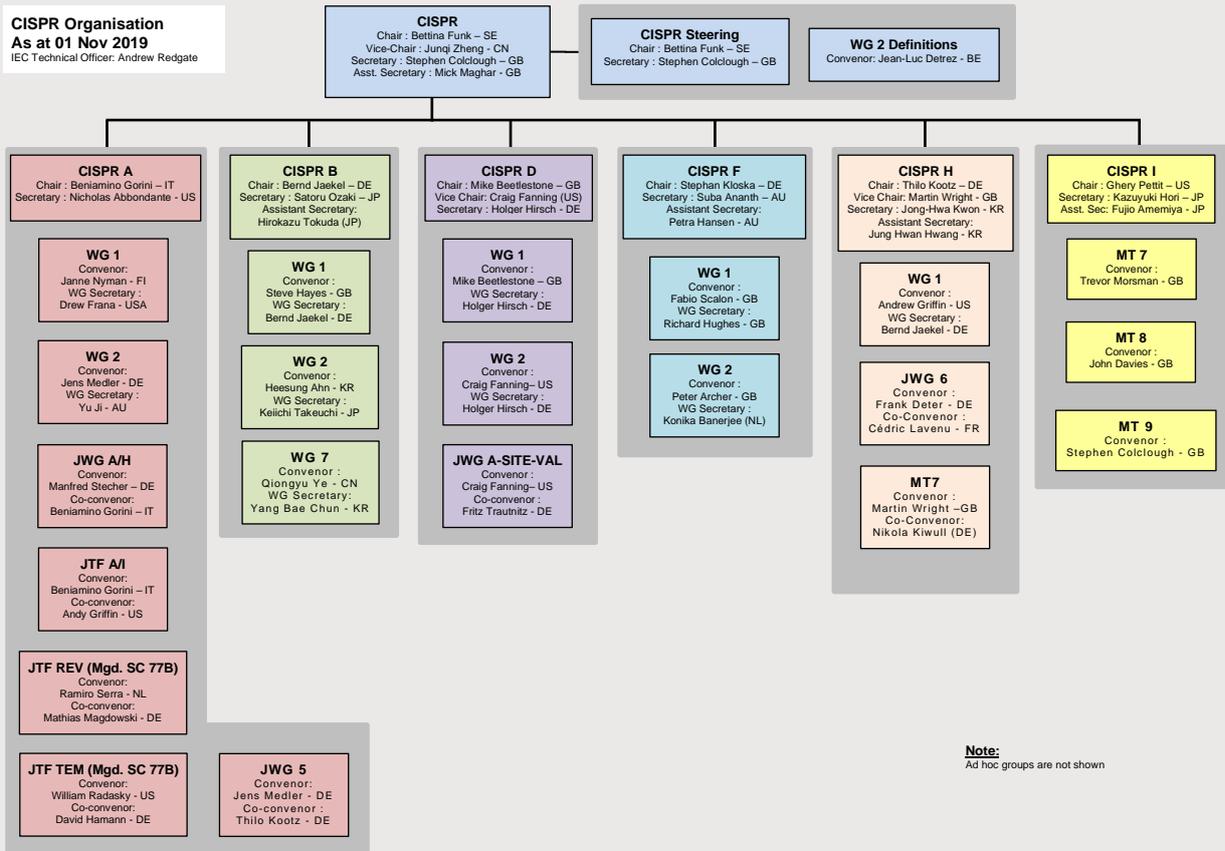
CISPR rules are covered in Annex SM of the ISO/IEC Directives Part 1.

New or emerging trends in technology

Section E details the trends in technology which the activity of CISPR is concerned with.

## B. MANAGEMENT STRUCTURE OF THE TC

The structure of CISPR is shown below:



This structure was formally reviewed at the CISPR Steering plenary meeting in 2019.

Changes since last review are:

- New Secretariat for CISPR F
- New WG7 in CISPR/B
- New MT7 in CISPR/H

The structure will next be formally reviewed in October 2020. There are no planned changes to the current structure.

### **C. BUSINESS ENVIRONMENT**

Virtually all electrical products, systems and installations radiate (through the air) or conduct (over the mains and other connected interfaces) unwanted radio frequency emissions. These emissions may affect radio services and radio reception. To ensure that such emissions are suitably controlled, it is important that the CISPR continues to retain its function as the focus point for controlling unwanted radio frequency emissions within the entire IEC. Note that CISPR does not address the assessment of the radio performance of radio transmitters/receivers, but CISPR standards can still be used for the assessment of the EMC of equipment containing radio functionality, whether or not the radio function is active.

The technical and economic impact of CISPR activity extends across virtually the whole of the electrical and electronics industries. In particular, legislation of many countries makes use of a wide range of CISPR standards, either by taking parts from the standards, or by making reference to them in full. Consequently, nearly all types of electrical/electronic equipment are being tested according to CISPR standards or to national or regional standards derived from CISPR standards or standards which have significant similarities to show product compliance to these standards.

Finally, there is an increased demand for radio services and applications, using existing and new technology, which in some cases use frequency bands not previously addressed. Whilst this is not within CISPR control, liaison with organisations which may present new technology issues is seen as a necessary activity. This is due to the control of unintended emissions and disturbances associated with digital circuitry and not associated with the primary radio transmitter frequency spectrum (which is not within CISPR's scope) being a key factor in enabling these services to develop.

As a consequence, businesses are affected significantly by the standards that CISPR produces and as such participate in the technical activity of the committee.

#### D. MARKET DEMAND

CISPR standards are amongst the best-selling publications of the IEC as they are used for a very wide array of products. The CISPR has recognised that products are now being developed that combine several technologies and so has developed multimedia standards which apply for example to information technology and broadcast receivers which may be part of a single product while still retaining product specific standards desired by industry. Considerable interest from National Committees has been generated by the multimedia work. The basic measurement standardization work in CISPR continues to support the testing community, including manufacturers of measuring receivers and accessories (coupling networks, antennas, antenna towers) and test labs, as well as test houses and calibration centres which in general are assessed for competency by accreditation bodies. CISPR has been monitoring the work in IEC SC-77A WG 8 on compatibility levels for public low-voltage power supply networks (the mains). This work has dealt with the frequency range 2 kHz to 150 kHz covering the operation of SmartGrid meters and equipment as well as grid connected power converters. CISPR's interest is in the range above 9 kHz. Consequently, work in CISPR/H is under way address the development of emission limits and new measurement techniques for disturbance signals on the mains network from 9 kHz up to 150 kHz. This work takes place in co-operation with IEC/SC 77A in CISPR/H/JWG 6.

The CISPR has to continue to maintain and update its standards in the face of new developments in radio services and technology. This challenge has been enthusiastically taken on as witnessed by the intense activity of its subcommittee programmes of work and the active experts in its committees, but there continues to be a need to have more technical experts as jobs change, employer support varies and retirements naturally occur. With the increasing use of the radio spectrum at ever higher frequencies, CISPR is now considering the need to control unwanted emissions in the 6 to 40 GHz range. This will entail carrying out development and consultation with regard to limits and their applicability, to test equipment and to test methods. Furthermore, besides the existing requirements for emissions on AC power supply ports, CISPR has recognised the increasing use of DC power supply networks to power equipment. Work has started to update CISPR standards with means to control emissions on ports intended to connect to DC power supply networks or large DC structures (e.g. energy storage systems).

In order to improve user awareness, and improve sales, the [CISPR Guide](#) was developed, which is now a key part of the EMC zone of the IEC website. This is reviewed and updated by the CISPR Steering Committee. Parts of the guide, which gave history of some CISPR standards was considered to be archival information and were removed. What remains is considered to be the most useful to users of CISPR standards. The archival material was not lost and has been transferred to the informative publication CISPR 16-3. The EMC Zone is also used to make information available to users and developers of CISPR standards. Recently a new document was uploaded to the EMC zone which summarises the history and rationale for the different [Definitions of Environments](#) used in CISPR publications.

CISPR has always taken the initiative for standards in the area of EMC, including emission and immunity aspects as they apply to its product committees. The CISPR customers come from all areas of industry (manufacturers), testing organizations, and regulators as CISPR standards have a broad application with product committees meeting regulatory or industry needs. For example, at the regional level, CENELEC has harmonised most of its standards with CISPR to meet the needs of the European Union in support of its EMC Directive. Consequently there is a broad range of participants within the Sub-Committees representing these areas:

- Regulatory authorities,
- Technical universities,
- Research centres,
- Telecommunication organisations,
- Manufacturers and manufacturing organisations of products and test instrumentation,
- EMC testing and calibration institutes
- Practicing test labs
- Consultants that support test labs.
- Test lab accreditation bodies.
- Radio spectrum users

This widely diverse membership helps to create a system approach covering aspects needed to bring products to market that do not present interference to radio services.

#### E. TRENDS IN TECHNOLOGY AND IN THE MARKET

Trends in technology and trade that require the CISPR to increase its activity include:

1. Use of radio spectrum by mobile devices above 18 GHz (eg. 5G Mobile Services)
2. Higher installed density of electrical and electronic products in all RF environments,
3. Digitalisation of all radio broadcast services,
4. Growth of mobile radio communication services,
5. Integration of radio devices into non-radio products. CISPR is actively reviewing the scope of its publications to cover combined products, but without defining any EMC requirements for the radio functions of the product which are typically covered by regional regulations and/or standards.
6. Mixed use of allocated radio frequency spectrum by mobile radio communication and fixed broadcast services,
7. Increase of shared (co-existence) use of the radio frequency spectrum allocated to primary and secondary radio services by short range radio-communication devices (SRDs) and other wireless devices such as ISM equipment offering wireless power transfer (WPT).
8. Introduction of electric vehicles including the use of wired and wireless battery charging systems.
9. Widespread application of wireless power transfer (WPT) to power or recharge all sorts of non-automotive battery operated equipment and its potential to cause radio interference.
10. Transition from traditional incandescent and discharge lighting technologies to solid-state (LED) lighting.
11. Application of DC power supply networks.
12. Mixed use of wired interfaces for control, communication, data and powering, e.g. Power over Ethernet and power-line communication,
13. Testing of large/high power equipment and in-situ testing
14. SmartGrid use of 9 kHz to 150 kHz frequency range

These changes in technology will require:

1. Advances in the development of measurement methods, measurement sites and instrumentation. These measurement considerations have to be associated with limits for emissions and the need to place in perspective the associated product immunity needs using standards developed by TC 77 and test levels selected by the product committee.
2. The extension of the frequency range requiring emission control, and increasing attention to immunity characteristics and in some cases the emission characteristics, in particular in the ranges 9 kHz to 150 kHz and 6 to 40 GHz.
3. Assessing the effects of the increased probability of radio frequency interference (RFI) or mutual electromagnetic incompatibility in wire-line networks, in particular for broadband communication in wire-line telecom and LV a.c. or d.c. mains networks.
4. Determining the interference potential for newer RF sensitive products that appear in the market on a regular basis, e.g. smart phones, internet ready devices, etc.
5. Re-assessment of emission limits and application of immunity tests. i.e. have interference complaints lessened and have immunity levels increased, respectively or have the opposite occurred.
6. Addressing the increased use of and need for energy efficient products that will require attention to the attendant EMC issues and testing challenges of such technology.
7. Dealing with the introduction of such products as LED lighting, power converters and wireless power transfer and the associated potential and existing interference from these devices.
8. The ever increasing diversity of types and technologies of wired interfaces for control, communication, data and powering (or combinations thereof) requires a more generic methodology on how disturbances from these interfaces must be specified and measured.
9. Liaisons with the ITU and other TCs, to ensure that the latest radio technology developments are considered in CISPR standards.

### **Market Trends**

The CISPR continues to see the market of the use of the radio frequency spectrum expanding every day and in virtually every way. With the economic conditions, there is a need to ensure that industry has the option of using the spectrum efficiently and effectively with limited interference to existing radio services and electrical/electronic products. This trend is expected to continue indefinitely.

While these trends continue, the support to address them is diminishing, evidenced by less available funding to work on standards especially for the travel costs to attend face to face meetings which is considered the most efficient way to come to a consensus. In addition, those that are engaged in standards in general are being reduced either by early retirement, loss of employment, or simply moving on to new areas of technology application, in addition to the loss of travel funding. These trends parallel the market trend for products that are targeted for special application and not universal use or those that are made with less costs and less

money set aside for standards work. At the present time, the CISPR's work program remains strong but the Steering Committee is very aware of the above costs and participation challenges in its reports to the IEC Standardization Management Board. Finally, CISPR takes full advantage of the availability of webinar conferencing hosted by the IEC. Its Steering Committee and other groups use this method for webinars to address actions needing to be taken to keep CISPR work proceeding. This approach eliminates some travel and the need for travel funding.

#### **F. SYSTEM APPROACH ASPECTS (REFERENCE - AC/33/2013)**

For many years the CISPR has adopted a system approach at several levels. Firstly its publications are structured into 3 levels; basic, generic and product standards. The generic standards can be applied for new and existing products, thus establishing limits for compliance testing if there are no specific product standard limits already established. Basic standards provide the measurement methods, test facility requirements and measurement instrumentation specification for that compliance testing. Secondly CISPR's committee structure is organised to facilitate identification of the CISPR product standard covering the emission limits and measurement methods suitable for new and existing products, with many liaisons with other technical committees and member organisations with an interest in EMC. It also establishes joint working groups within its organisation and with TC 77 as necessary to bring together the best experts to provide emission and immunity practical solutions. TC77 is a member of the CISPR Steering Committee to ensure this close coordination.

The CISPR offers limits and methods of measurement for other IEC product committees to use in their publications. To manage this aspect, it has instituted and maintains a standards tracking tool that indicates not only which subcommittee has primary responsibility for a CISPR activity but which of the several product committees will use the work that is being addressed in the basic subcommittees (those that work with the measurement methods, instrumentation specifications and generic emission limits). Those basic methods not foreseen as being used by the product committees are given less attention or even held for consideration until there is a "customer" subcommittee for them. This is done to not unnecessarily divert experts from their main tasks as outlined in the programs of work. In addition CISPR has representative membership in the Advisory Committee on EMC (ACEC) and contributed to the text of the 2014 edition of [Guide 107](#) (guide to the drafting of EMC publications) which is to be used to ensure the coherence of EMC requirements of product standards which have EMC aspects and are controlled by other TCs in the IEC.

The CISPR also actively encourages other IEC Product Committees to develop EMC requirements within their publications using CISPR standards thus assuring a systems approach for their work.

#### **System evaluation group and system committees:**

At this point CISPR does not envision the need to form any system committee or system evaluation group as again its structure and activity noted above is strongly based on the system approach.

#### **Work with ISO:**

There is at least one coordination with the ISO automotive committees with that of CISPR/D (automotive EMC). The two committees generally meet together or in sequence. There is no other ISO collaboration expected or needed.

#### **Fora or Consortia:**

There are no known fora or consortia that work on similar activities of CISPR as the work of CISPR remains the most relevant for manufacturers, industry, regulators, etc.

## G. CONFORMITY ASSESSMENT

CISPR standards are developed and provided to serve the needs of industry for EMC tests on products intended for worldwide marketing and sales without barriers to trade. Application of the CISPR standards by manufacturer or supplier (first party), user or purchaser (second party), or independent conformity assessment bodies (third party) results in comparable, repeatable and reliable assessment results, independently of the party actually doing the conformity assessment. CISPR considers its work in developing standards that have to be met to show product compliance is equivalent to the use of the term conformity assessment. In this respect, all CISPR standards are fully in line with conformity assessment aspects set out in Part 2 of the ISO/IEC Directives. CISPR standards also contain clear advice and recommendations for the use of statistical methods to determine the conformity of a product type with a given regulation, based on type testing of a limited number of samples from series-production. These statistical methods are recognized by the majority of market surveillance authorities around the world. However, they could also be viewed as regulatory in nature and so CISPR is moving reference to statistical methods into informative annexes in its publications.

CISPR standards are used in the IEC Conformity Assessment Systems, such as the IECEE CB-Scheme. They are however not part of such systems. The CISPR does not have any intention to supplement these IEC Conformity Assessment Schemes with any specific rules. Standardisation in CISPR aims at the provision of CISPR standards which are recognized by regulatory authorities around the world for use in well-established conformity assessment systems.

## H. 3-5 YEAR PROJECTED STRATEGIC OBJECTIVES, ACTIONS, TARGET DATES

| STRATEGIC OBJECTIVES 3-5 YEARS                                                                                                                                         | ACTIONS TO SUPPORT THE STRATEGIC OBJECTIVES | TARGET DATE(S) TO COMPLETE THE ACTIONS |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------|
| Provide information on test pulse generation for the verification of the weighting function of the AV and RMS/AV detectors and for general maintenance of the standard | CISPR/A Amend CISPR 16-1-1                  | 2019                                   |
| Specification of test instrumentation for emission measurement in the frequency range 18 GHz to 40 GHz                                                                 | CISPR/A Amend CISPR 16-1-1                  | 2021                                   |
| Provide background on the uncertainty of impedance and voltage-division-factor measurements of AMNs.                                                                   | CISPR/A Amend CISPR 16-1-2                  | 2020                                   |
| Uncertainty calculation for current probes calibration                                                                                                                 | CISPR/A Amend CISPR 16-1-2                  | 2020                                   |
| Provide background on the uncertainty of calibration using both methods for the calibration of absorbing clamps.                                                       | CISPR/A Amend CISPR 16-1-3                  | 2019                                   |
| Cross-Polar Ratio measurement uncertainty                                                                                                                              | CISPR/A Amend CISPR 16-1-4                  | 2020                                   |
| Basic test facility and test methods for radiated emission measurements in the frequency range of 9 kHz to 30 MHz                                                      | CISPR/A Amend CISPR 16-1-4                  | 2020                                   |

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| Account for a critical analysis of the LLAS validation factor                                                                                                                         | CISPR/A Amend CISPR 16-1-4 | 2020 |
| Provide background on the uncertainty of test site validation in the frequency range 30 to 1000 MHz and 1 to 18 GHz.                                                                  | CISPR/A Amend CISPR 16-1-4 | 2020 |
| Specification of test site and antennas for emission measurement in the frequency range 18 GHz to 40 GHz                                                                              | CISPR/A Amend CISPR 16-1-4 | 2021 |
| Validation method of antenna calibration sites and reference test sites in the frequency range 18 GHz to 40 GHz                                                                       | CISPR/A Amend CISPR 16-1-5 | 2021 |
| Addition of Three-Antenna Method and Standard Field Method loop antenna calibrations                                                                                                  | CISPR/A Amend CISPR 16-1-6 | 2020 |
| Include an Annex on time-domain measurements above 1 GHz to show the advantages and limitations of the method                                                                         | CISPR/A Amend CISPR 16-1-6 | 2020 |
| Calibration method for antennas to be used in the frequency range 18 GHz to 40 GHz                                                                                                    | CISPR/A Amend CISPR 16-1-6 | 2021 |
| Include conducted for measurements of disturbances the generic requirements of "Host systems/modular EUT" and "Arrangement spacing, distances and tolerances" of CISPR 32 (Table D.2) | CISPR/A Amend CISPR 16-2-1 | 2021 |
| Development of EUT volume limits for radiated emission measurements at short distances                                                                                                | CISPR/A Amend CISPR 16-2-3 | 2019 |
| Basic test facility and test methods for radiated emission measurements in the frequency range of 9 kHz to 30 MHz                                                                     | CISPR/A Amend CISPR 16-2-3 | 2019 |
| Test methods for radiated emission measurements in the frequency range of 18 GHz to 40 GHz                                                                                            | CISPR/A Amend CISPR 16-2-3 | 2021 |
| Further improvements of cable arrangements and cable terminations to improve test reproducibility                                                                                     | CISPR/A Amend CISPR 16-2-3 | 2020 |
| Include in CISPR 16-2-3 for radiate disturbance measurements the generic                                                                                                              | CISPR/A Amend CISPR 16-2-3 | 2021 |

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| requirements of “Host systems/modular EUT”, “Arrangement spacing, distances and tolerances” and requirements to measurement distance/EUT boundary of CISPR 32               |                                         |      |
| Include in CISPR 16-3 the rationale for emission measurements and procedures for wired network ports of CISPR 32 Ed. 2.0 (clause G.2) and to combine it with CISPR/I/479/DC | CISPR/A Amend CISPR 16-3                | 2021 |
| To improve in CISPR 16-3 the rationale of Large Loop Antenna Systems                                                                                                        | CISPR/A Amend CISPR 16-3                | 2019 |
| Uncertainty of radiated emission measurements in the frequency range of 9 kHz to 30 MHz                                                                                     | CISPR/A Amend CISPR 16-4-2              | 2020 |
| Uncertainty of radiated emission measurements in the frequency range of 18 GHz to 40 GHz                                                                                    | CISPR/A Amend CISPR 16-4-2              | 2021 |
| General revision of measurement instrumentation uncertainty publication                                                                                                     | CISPR/A Revise CISPR 16-4-2             | 2021 |
| Emission measurements in a reverberation chamber                                                                                                                            | CISPR/A Amend CISPR 16-4-5              | 2021 |
| Development of EUT volume limits for radiated emission measurements at short distances                                                                                      | CISPR/A Amend CISPR 16-4-5              | 2020 |
| Establishment of essential requirements for radiated emissions of power electronic ISM equipment offering wireless power transfer (WPT), in the range 9 kHz to 30 MHz       | CISPR/B Maintenance of CISPR 11 Ed. 6.2 | 2022 |
| Introduction of requirements for robots                                                                                                                                     | CISPR/B Maintenance of CISPR 11 Ed. 6.2 | 2022 |
| Introduction of requirements for ISM equipment offering wireless power transfer at-a-distance (WPTAAD)                                                                      | CISPR/B Maintenance of CISPR 11 Ed. 6.2 | 2022 |
| Consideration of radio enabled products in the scope of CISPR 11                                                                                                            | CISPR/B Maintenance of CISPR 11 Ed. 6.2 | 2022 |
| Emission measurements for large size/high power equipment                                                                                                                   | CISPR/B Development of CISPR 37         | 2024 |

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| and methods and limits for <i>in situ</i> measurements                                                                                             |                                                                                                                                                        |             |
| Introduce vehicle radiated emission testing for application during Wireless Charging                                                               | CISPR/D Update to CISPR 12                                                                                                                             | 2021        |
| Review of Digital service bands and measuring bandwidths. May include (but not limited to) digital radio, digital TV, mobile radio, ITS, Wi-Fi.    | CISPR/D Issue CISPR 25 edition 5                                                                                                                       | 2021        |
| Development of a measurement procedure for electric and hybrid road vehicles for magnetic radiated field measurement for frequencies below 30 MHz. | CISPR/D New Standard CISPR 36                                                                                                                          | 2021        |
| Introduce emission requirements for inductive charging of household and similar equipment .                                                        | CISPR/F Develop or take over well-established methods and limits for the measurement of magnetic fields and disturbance voltage in CISPR 14-1 Ed. 6.0. | 2020        |
| Inclusion of testing radio-enabled products                                                                                                        | CISPR/F Maintenance of CISPR 14-1 Ed. 6.0                                                                                                              | 2020        |
| Inclusion of testing radio-enabled products                                                                                                        | CISPR/F Maintenance of CISPR 14-2 Ed. 2.0                                                                                                              | 2020        |
| Inclusion of testing the immunity of radio-functions of radio-enabled products                                                                     | CISPR/F Maintenance of upcoming CISPR 14-2 Ed. 3.0                                                                                                     | 2023        |
| Inclusion of testing radio-enabled products                                                                                                        | CISPR/F Maintenance of CISPR 15 Ed. 9.0                                                                                                                | 2021 - 2022 |
| Deleting all pseudo-regulatory statements (e.g. 80-80 rule)                                                                                        | CISPR/F Maintenance of CISPR 14-1 Ed. 6.0                                                                                                              | 2020        |
| Clarifying the method for the clicks measurement                                                                                                   | CISPR/F Maintenance of CISPR 14-1 Ed. 6.0                                                                                                              | 2020        |
| Inclusion of testing robotics appliances                                                                                                           | CISPR/F Maintenance of CISPR 14-1 Ed. 6.0                                                                                                              | 2020        |
| Inclusion of testing robotics appliances                                                                                                           | CISPR/F Maintenance of CISPR 14-2 Ed. 2.0                                                                                                              | 2020        |
| Deleting all pseudo-regulatory statements (e.g. 80-80 rule)                                                                                        | CISPR/F Maintenance of CISPR 14-2 Ed. 2.0                                                                                                              | 2020        |
| Removal of the voltage probe method and alignment of the VP/CP/CVP test methods with the basic CISPR 16 publications.                              | CISPR/F Maintenance of CISPR 15 Ed. 9.0                                                                                                                | 2021-2022   |
| Alignment of the setup and methods for conducted testing with                                                                                      | CISPR/F Maintenance of CISPR 15 Ed. 9.0                                                                                                                | 2021-2022   |

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| the those specified in the basic CISPR 16 publications                                                                                              |                                                                  |           |
| Adoption of the upcoming changes on the <30 MHz test methods and equipment (LLAS and 60 cm loop antenna)                                            | CISPR/F Maintenance of CISPR 14-1 Ed. 6.0                        | 2021      |
| Adoption of the upcoming changes on the <30 MHz test methods and equipment (LLAS and 60 cm loop antenna)                                            | CISPR/F Maintenance of CISPR 15 Ed. 9.0                          | 2021-2022 |
| Develop a reference test setup (host approach) for emission testing of lighting equipment modules (drivers).                                        | CISPR/F Develop CISPR TR 30-3                                    | 2021      |
| Definition and assessment of emission limits applicable for Reverberation chambers                                                                  | CISPR/H Amend IEC 61000-6-3                                      | 2020      |
| Definition of generic limits for magnetic field radiated emissions in the frequency range 9 kHz – 30 MHz                                            | CISPR/H Amend IEC 61000-6-3                                      | 2020      |
| Definition of generic limits for magnetic field radiated emissions in the frequency range 9 kHz – 30 MHz                                            | CISPR/H Amend IEC IEC 61000-6-4                                  | 2020      |
| Definition of generic limits for electric field radiated emissions in the frequency range 9 kHz – 30 MHz                                            | CISPR/H Amend IEC 61000-6-3                                      | 2022      |
| Definition of generic limits for electric field radiated emissions in the frequency range 9 kHz – 30 MHz                                            | CISPR/H Amend IEC 61000-6-4                                      | 2022      |
| Definition of the models for estimation of radiation from photo-voltaic (PV) generators and extra low voltage (ELV) in-house lighting installations | CISPR/H Amend CISPR 16-4-4                                       | 2019      |
| Definition of the models for estimation of radiation from extra low voltage (ELV) in-house lighting installations                                   | CISPR/H Amend CISPR 16-4-4                                       | 2019      |
| Definition of generic limits for radiated emissions in the frequency range 6 GHz – 40 GHz                                                           | CISPR/H Amend IEC IEC 61000-6-3, IEC 61000-6-4 and IEC 61000-6-8 | 2021      |
| Definition of requirements for the DC power supply port                                                                                             | CISPR/H Amend IEC IEC 61000-6-3 and 61000-6-4                    | 2020      |
| New publication of an emission standard for equipment in                                                                                            | CISPR/H 61000-6-8                                                | 2020      |

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| commercial and light-industrial locations                                                               |                                                          |      |
| Reassessment of the FAR limits for better correlation of assessment results                             | CISPR/H Amend IEC IEC 61000-6-3, 61000-6-4 and 61000-6-8 | 2021 |
| Introduction of a height scan for emission measurements above 1 GHz                                     | CISPR/H Amend IEC IEC 61000-6-3 and 61000-6-4            | 2020 |
| Comprehensive maintenance revision of CISPR limit modelling in CISPR TR 16-4-4                          | CISPR/H Amend CISPR 16-4-4                               | 2021 |
| Improve CISPR 32 publication                                                                            | CISPR/I Amend CISPR 32 Edition 2                         | 2019 |
| Consider limits for emissions below 150 kHz for SmartGrid                                               | CISPR/I Amend CISPR 32                                   | 2021 |
| Consider increasing the upper frequency limit for emission to cover protection of Mobile Communications | CISPR/I Amend CISPR 32                                   | 2021 |
| Improve CISPR 35 publication. Various changes are being discussed.                                      | CISPR/I Amend CISPR 35 Edition 1                         | 2021 |
| Note: The progress on the actions will be reported in the RSMB.                                         |                                                          |      |