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INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE

Description of the radio services database

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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DESCRIPTION OF THE RADIO SERVICES DATABASE

FOREWORD

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CISPR 31 has been prepared by CISPR subcommittee H: Limits for the protection of radio services, of IEC technical committee CISPR: International special committee on radio interference. It is a Technical Report.

This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) A new Clause 3 covers a line of essential definitions of radio parameters, the knowledge of which is necessary to get qualified input data for inclusion of essential requirements in the present radio services database (RSD) maintained by CISPR and IEC.

b) The radio parameters and conditions of use of radio receivers listed in Table 1 of this edition of CISPR TR 31 are provided now with instructive advice in its new Subclauses 5.1 and 5.2, on selection of data for input to the RSD and retrieval of that data for consideration and use with the limits setting model as in CISPR TR 16-4-4 which was missing in the previous edition of CISPR TR 31.

c) Finally, another new informative Annex B informs, to the extent necessary, on the principles of ITU-R on determination of data for the minimum usable field strength (to be inserted in Column (E) of the RSD) and of the associated tolerable disturbance at the antenna of the radio reception system or other self-contained radio receiver (also to be used as input with the limits-setting model in CISPR TR 16-4-4), which concerns only parties who are concerned with designing and projecting of radio-communication/broadcast networks and with coverage planning of related radio services. Knowledge of these fundamental principles also by CISPR experts will ensure that only valid data will get future input to the RSD maintained by CISPR and IEC.

The text of this Technical Report is based on the following documents:

Draft	Report on voting
CIS/H/509/DTR	CIS/H/520/RVDTR

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Technical Report is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

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DESCRIPTION OF THE RADIO SERVICES DATABASE

1 Scope

This Technical Report covers the rationale behind the database containing the characteristics of radio services. The database is a "living document " in the format of a spreadsheet file in the EMC Zone of the IEC web site:

https://www.iec.ch/emc/radio-services-database

As new input for the IEC Radio Services Database arrives, this Technical Report provides guidance and support for the systematic collation of data on those radio services which are relevant for determination of CISPR limits according to CISPR TR 16-4-4. All interested parties are invited to contribute with relevant data to the database, e.g., via the National Committees represented in CISPR/H.

The objective of the database is to register those characteristics which are relevant for derivation and specification of limits for disturbances from electric and/or electronic equipment, systems and installations. Committees responsible for generic and/or product emission EMC standards use this information together with CISPR TR 16-4-4.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050-151:2001, *International Electrotechnical Vocabulary (IEV) – Part 151: Electrical and magnetic devices*