

INTERNATIONAL STANDARD

**Electromagnetic compatibility (EMC) –
Part 2-9: Environment – Description of HEMP environment – Radiated
disturbance**

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Description of HEMP environment – Radiated disturbance****FOREWORD**

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IEC 61000-2-9 has been prepared by subcommittee 77C: High power transient phenomena, of IEC technical committee 77: Electromagnetic compatibility. It is an International Standard.

It forms Part 2-9 of IEC 61000. It has the status of a horizontal basic EMC publication in accordance with IEC Guide 107.

This second edition cancels and replaces the first edition published in 1996. This edition constitutes a technical revision.

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

- a) updating the document to provide new information on the variation of the early-time HEMP on the earth's surface and to provide new information on the late-time HEMP;
- b) adding a new informative Annex A which provides details concerning the development of the early- and late-time standard waveforms in the main body, an explanation of the advantages and disadvantages for the use of the double exponential waveform, and an explanation of the far field region for the early-time HEMP.

The text of this International Standard is based on the following documents:

Draft	Report on voting
77C/347/FDIS	77C/350/RVD

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 International Standard 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.

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