

TECHNICAL REPORT



Climatic field data including validation



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ELECTROTECHNICAL
COMMISSION

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FOREWORD

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IEC/TR 62130, which is a technical report, has been prepared by IEC technical committee 104: Environmental conditions, classification and methods of test.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
104/572/DTR	104/577/RVC

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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- replaced by a revised edition, or
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CLIMATIC FIELD DATA INCLUDING VALIDATION

1 Scope

IEC/TR 62130, which is a technical report, provides traceable recommendations from validated field data for updating IEC 60721-2-1.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60721-1:1982, *Classification of environmental conditions – Part 1: Environmental parameters and their severities*

IEC 60721-2-1:1982, *Classification of environmental conditions – Part 2-1: Environmental conditions appearing in nature – Temperature and humidity*
Amendment 1:1987

3 Current IEC 60721-2-1 standard dealing with temperature and humidity

IEC 60721-2-1:1982 and its Amendment 1 (1987) give maps of climatic types with the following parameters:

- mean value of the annual extreme daily mean values of temperature, humidity and highest temperature with $RH < 95 \%$;
- mean value of the annual extreme values of temperature, humidity and highest temperature with $RH \geq 95 \%$;
- absolute extreme values of temperature, humidity and highest temperature with $RH \geq 95 \%$.

Values of parameters and maps of statistical open-air climates in the geographical areas of the world are given in Tables 1 to 3, and in Figures 1 and 2, respectively.