

TECHNICAL REPORT



Environmental conditions – Vibration and shock of electrotechnical equipment – Part 8: Transportation by ship

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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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,

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A list of all parts in the IEC 62131 series, published under the general title *Environmental conditions – Vibration and shock of electrotechnical equipment*, can be found on the IEC website.

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

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ENVIRONMENTAL CONDITIONS – VIBRATION AND SHOCK OF ELECTROTECHNICAL EQUIPMENT –

Part 8: Transportation by ship

1 Scope

This part of IEC 62131 reviews available dynamic data relating to the transportation of electrotechnical equipment by marine craft such as ships and boats either at sea or during riverine use. In this instance, there is a clear similarity between dynamic data relating to the transportation of electrotechnical equipment and that of electrotechnical equipment installed on maritime platforms.

The intent is that from all the available data, an environmental description will be generated and compared to that set out in the IEC 60721 series [1]¹.

For each of the sources identified, the quality of the data is reviewed and checked for self-consistency. The process used to undertake this check of data quality and that used to intrinsically categorize the various data sources is set out in IEC TR 62131-1 [2].

This document primarily addresses data extracted from several different sources for which reasonable confidence exists in their quality and validity. This document also reviews some data for which the quality and validity cannot realistically be verified. These data are included to facilitate validation of information from other sources. This document clearly indicates when utilizing information in this latter category.

The aim of this document is to review information from a number of different data gathering exercises. The quantity and quality of information in these exercises is expected to vary considerably.

Not all the data reviewed were made available in electronic form. To permit comparison to be made, in this assessment, a quantity of the original (non-electronic) data has been manually digitized.

2 Normative references

There are no normative references in this document.

¹ Numbers in square brackets refer to the bibliography.