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colour inside

Overhead lines – Requirements for greases for aluminium, aluminium alloy and steel bare conductors

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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International Standard IEC 61394 has been prepared by IEC technical committee 7: Overhead electrical conductors.

This first edition of IEC 61394 cancels and replaces the first edition of technical specification IEC/TS 61394 published in 1997. It constitutes a technical revision and now has the status of an International Standard.

The text of this standard is based on the following documents:

FDIS	Report on voting
7/609/FDIS	7/613/RVD

Full information on the voting for the approval of this standard 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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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A bilingual version of this publication may be issued at a later date.

The contents of the corrigendum of August 2012 have been included in this copy.

OVERHEAD LINES – REQUIREMENTS FOR GREASES FOR ALUMINIUM, ALUMINIUM ALLOY AND STEEL BARE CONDUCTORS

1 Scope

This International Standard specifies the requirements and tests of greases designed for corrosion protection of bare overhead conductors.

2 Normative references

The following referenced documents are indispensable for the application 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 60068-2-11:1981, *Basic environmental testing procedures – Part 2-11: Tests – Test Ka: Salt mist*

ISO 2137:2007, *Petroleum products and lubricants – Determination of cone penetration of lubricating greases and petrolatum*

ISO 2176:1995, *Petroleum products – Lubricating grease – Determination of dropping point*