

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electricity metering data exchange – The DLMS/COSEM suite –
Part 3-1: Use of local area networks on twisted pair with carrier signalling**

**Échange des données de comptage de l'électricité – La suite DLMS/COSEM –
Partie 3-1: Utilisation des réseaux locaux sur paire torsadée avec signal de
porteuse**



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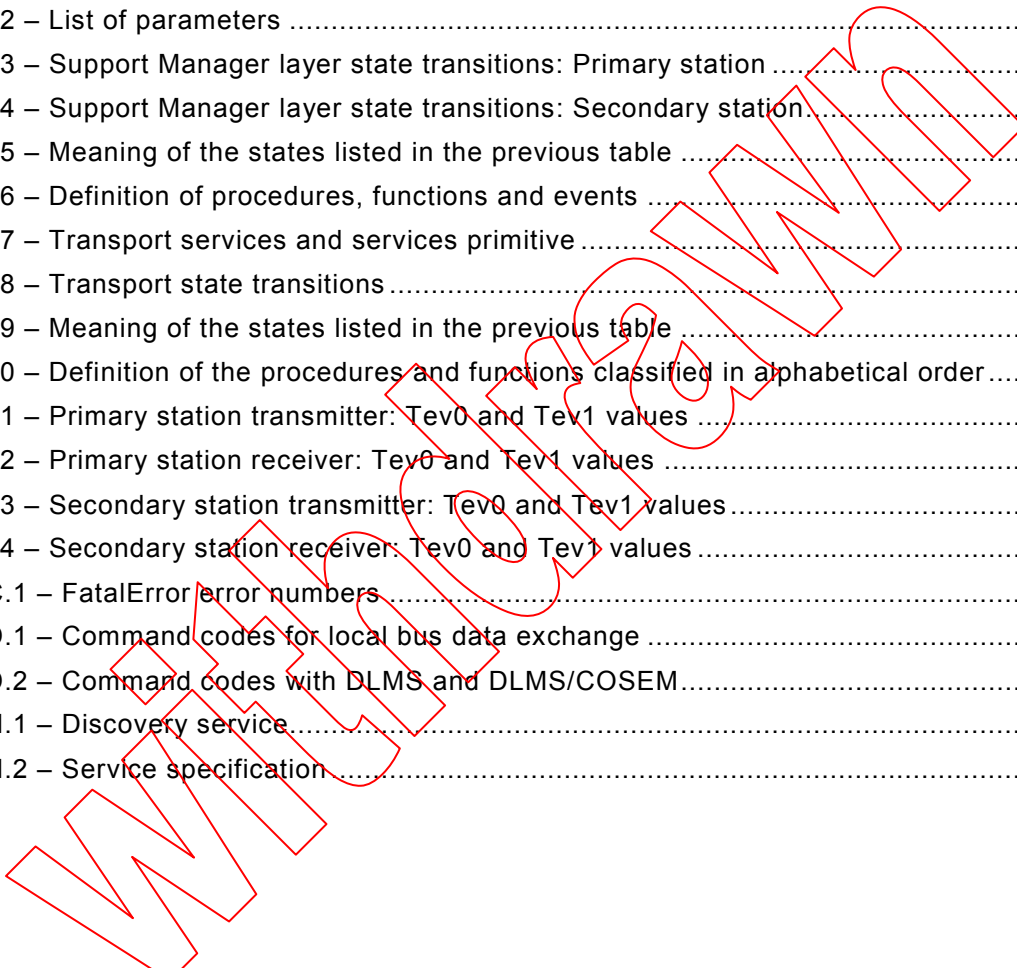
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICITY METERING DATA EXCHANGE –
THE DLMS/COSEM SUITE –**
**Part 3-1: Use of local area networks on twisted pair
with carrier signalling**

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International Standard IEC 62056-3-1 has been prepared by IEC technical committee 13: Electrical energy measurement, tariff- and load control.

This first edition cancels and replaces the first edition of IEC 62056-31, issued in 1999, and constitutes a technical revision.

The main technical changes with regard to the previous edition are as follows:

- addition of a profile which makes use of the IEC 62056 DLMS/COSEM Application layer and COSEM object model,
- review of the data link layer which is split into two parts:
 - a pure Data Link layer;
 - a “Support Manager” entity managing the communication media;
- ability to negotiate the communication speed, bringing baud rate up to 9 600 bauds.

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

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13/1546/FDIS	13/1552/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.

A list of all parts of IEC 62056 series, published under the general title *Electricity metering data exchange – The DLMS/COSEM suite*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

The numbering scheme has changes from IEC 62056-XY to IEC 62056-X-Y. For example, IEC 62056-31 becomes IEC 62056-3-1.

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