

TECHNICAL REPORT



Communication networks and systems for power utility automation –
Part 90-12: Wide area network engineering guidelines
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IEC TR 61850-90-12, which is a technical report, has been prepared by IEC technical committee 57: Power systems management and associated information exchange.

This second edition cancels and replaces the first edition published in 2015. This edition constitutes a technical revision.

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

- a) extension of use case with respect to distribution and customer-side applications;
- b) extensions of wireless access technologies as well as power line communication ones applicable to the above-mentioned use case;

- c) revisions regarding radio communication technology performance;
- d) extension of network migration with respect to packet switched network;
- e) a new mapping of multiprotocol label switching technology to teleprotection.

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

Enquiry draft	Report on voting
57/2136/DTR	57/2203/RVDTR

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.

A list of all parts in the IEC 61850 series, published under the general title *Communication networks and systems for power utility automation*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<https://www.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- withdrawn,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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