Förhandsgranskning / Preview

STANDARD SOLUTIONS GROUP

DC systems for relay protection, control and indication – recommendations for engineering

Information within brackets ([...]) in this document refers to local regulations.

Scope

This instruction provides guidelines for planning and construction of DC systems for help with power supply for manoeuvre, indication and relay protection systems. The recommendations can serve as support in connection with, for example, design, for inquiries and purchases of DC systems.

In the first place, the design of new plants is intended, but the intention is also for the recommendations to provide guidance for existing facilities in planning measures aimed at improving safety through the improvement of reserve capacity and maintenance.

For recommendations concerning the operation and maintenance of DC systems, refer to SSG 4112E.

Changes since the previous edition

This edition differs from the previous edition in that:

- Photos with examples of DC systems have been added to Appendix 1 – ”Examples of system construction” and Appendix 4 – ”Examples of single battery systems”.
- The chapters “Scope”, 4.2 – “System options” and 3 – “Introduction” have been updated.
- The titles of the appendices have been specified.
- The validity of the references has been verified.
- The texts have been subjected to linguistic review.
- The standard has been updated according to the current template for SSG standards.

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