

IEEE Substation Guide

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IEEE Substation Guide

IEEE Power Substations Standards Collection: VuSpec™ Summary. IEEE Power Substations Standards Collection included active standards covering switching stations, transformer stations, and generating station switchyards. IEEE Substations Standards Collection is a single source for design construction and operation of power substations. IEEE Substations Standards Collection contains 50 active IEEE Standards, Guides, and Recommended Practices, Errata & Interpretations for Power Substations, it ...

IEEE Power Substations Standards Collection: VuSpec

Active. P1246 - IEEE Draft Guide for Temporary Protective Grounding Systems Used in Substations. The design, performance, use, testing, and installation of temporary protective grounding systems, including the connection points, as used in permanent and mobile substations, are covered in this guide. Existing Standards.

80-2000 - IEEE Guide for Safety in AC Substation Grounding

This guide provides information on the different bus arrangements used in substations stating the advantages and disadvantages of each. Also it provides information as related to each bus type and construction. Once the bus type is selected, this guide provides the calculation tools for each bus type.

605-2008 - IEEE Guide for Bus Design in Air Insulated ...

IEEE Guide for Electric Power Substation Physical and Electronic Security 1. Overview 1.1 Scope This guide identifies and discusses security issues related to human intervention during the construction, operation (except for natural disasters), and maintenance of electric power supply substations. It also docu-

IEEE guide for electric power substation physical and ...

IEEE Guide for Substation Fire Protection IEEE Power and Energy Society

(PDF) IEEE Guide for Substation Fire Protection IEEE Power ...

IEEE Guide for Electric Power Substation Physical and Electronic Security. Abstract: Security issues related to human intrusion upon electric power supply substations are identified and discussed. Various methods and techniques presently being used to mitigate human intrusions are also presented in this guide.

1402-2000 - IEEE Guide for Electric Power Substation ...

Abstract:IEEE C37.123-1991 covers the technical requirements for the design, fabrication, testing, and installation of a gas-insulated substation (GIS). The guide looks at parameters to be supplied by the purchaser and technical requirements for the design, fabrication, testing, and installation to be furnished by the manufacturer.

IEEE Guide to Specifications for Gas-Insulated Substation ...

The IEEE PES Substations Committee is the professional home for engineers involved in the design and operation of electrical substations used for generation, transmission and distribution. Moreover, committee activities include development of not only industry standards, but also educational material, for instance, technical papers, white papers, presentations, tutorials and panel

discussions.

IEEE PES Substations Committee - Professional Engineers ...

bus and the strain (cable). This guide provides information on the different bus arrangements used in substations stating the advantages and disadvantages of each. Also it provides information as related to each bus type and construction. Once the bus type is selected, this guide provides the calculation tools for each bus type.

IEEE Std 605-2008, IEEE Guide for Bus Design in Air ...

Project Details This guide describes recommended practices for the physical security of electric power substations. It is designed to address a number of threats, including unauthorized access to substation facilities, theft of material, and vandalism.

IEEE P1402 - IEEE Draft Guide for Physical Security of ...

IEEE Guide for Safety in AC Substation Grounding Abstract: This guide is primarily concerned with outdoor ac substations, either conventional or gas-insulated. These include distribution, transmission, and generating plant substations.

80-2013 - IEEE Guide for Safety in AC Substation Grounding ...

IEEE Guide for Safety in AC Substation Grounding Abstract: Outdoor ac substations, either conventional or gas-insulated, are covered in this guide. Distribution, transmission, and generating plant substations are also included.

80-2000 - IEEE Guide for Safety in AC Substation Grounding ...

"IEEE Guide for Bus Design in Air Insulated Substations ... • IEEE 605 is a great source for substation rigid bus design. • Different design methods are available. • Rigid bus modeling provides more accurate results but several factors should be considered. Title: Slide 1

What Structural Engineers Should Know about Substation ...

IEEE-SA Standards Board Abstract: The design, installation, and protection of wire and cable systems in substations are covered in this guide, with the objective of minimizing cable failures and their consequences.

IEEE Guide for the Design and Installation of Cable ...

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, IEEE GUIDE FOR SAFETY IN AC SUBSTATION GROUNDING, IEEE STD 80- 2013, IEEE POWER AND ENERGY SOCIETY, NEW YORK, NY. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, IEEE GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUNDING SYSTEM, IEEE STD 81-2012, IEEE POWER AND ENERGY SOCIETY, NEW YORK, NY.

Substation Grounding Design Challenges And Lessons Learned

998-1996 - IEEE Guide for Direct Lightning Stroke Shielding of Substations. Design information for the methods historically and typically applied by substation designers to minimize direct lightning strokes to equipment and buswork within substations is provided.

998-2012 - IEEE Guide for Direct Lightning Stroke ...

IEEE Draft Guide for Direct Lightning Stroke Shielding of Substations IEEE P998/D14.1, October 2012, 2012 Design This guide provides design information for the methods historically and typically applied by substation designers to minimize reduce direct lightning strokes to equipment and buswork within substations is provided.

Substations - IEEE Conferences, Publications, and Resources

IEEE Guide for Substation Fire Protection - Redline Abstract: Guidance is provided to substation engineers in determining the design, equipment, and practices deemed necessary for the fire protection of substations.

979-2012 - IEEE Guide for Substation Fire Protection ...

IEEE Guide for Electric Power Substation Physical and Electronic Security This Guide identifies and discusses security issues related to human intervention during the construction, operation, (except for natural disasters) and maintenance of electric power supply substations. It also documents

methods and designs to mitigate intrusions.

Electric Power Supply Substations - IEEE Conferences ...

IEEE 979 Guide for Substation Fire Protection provides design guidance, fire hazard assessment and pre-fire planning in fire protection to substation engineers. This standard for fire protection in a substation does provide specific guidance for the protection and physical isolation of transformers in the form of fire wall barriers.

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