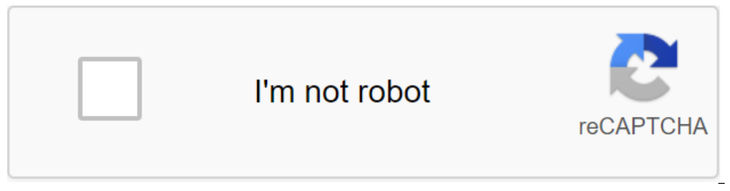
Nerc system operator certification program manual



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Search.... WEBSITE Home About Us What's New? Products Services Contact us Archives About U.S. Global Training Solutions Inc. provides compliance, workforce training programs and classroom instruction aimed at developing, training and safety of employees in many different industries around the world. © 2020, preparation FOR NERC OPERATOR CERTIFICATION CERTIFICATION EXAMS Global Training Solutions A full range of programs and services are available to prepare certification exams for NERC operators. NERC SYSTEM OPERATIONS programs and services that prepare system operators for NERC operator certification provide approved continuing education for certified NERC system operators and offer NERC reliability assessment and maintenance services. Electrical Energy Reliability System - Text NERC System Operator Certification Exam Prep DVD Series OPS-X Simulation Training Program for Operators of The Electric System Class Instruction for NERC Electrical System Operator Training and Exam Prep Train-Coach Instructor-Led Program NERC Reliability Standard Compliance and Evaluation Requirements and Management Software Program Electrical System Operator Program Program Program Program : NERC System Operator Accreditation NERC CE Hour; Training and modeling of the operator of the electrical system; Classroom education; Train-led instructor-led trainer programs; Compliance services and NERC reliability standards software for void analysis; Audit Preparation and Mock Audits. All programs and services meet the criteria of the NERC Continuing Education Program. Electrical System Reliability Text NERC System Operator Certification Exam Prep DVD Series OPS-X Module I focus on the load and balance of the generation, ACE, AGC and Voltage Control Advanced OPS-X Exercises (modules 2 - 7) featuring contingency analysis, congestion management and protection system 3 or 4 day Class instructions on your site (minimum 10 participants) NERC SYSTEM that focus on the latest concepts of adult learning. All programs

and services meet the criteria of the NERC Continuing Education Program. 56 CEHs 56 Emergency Operations Watch 51 NERC Standard Watch 44 Simulation Watch to NERC Systems Certification Requirements 3 Day Course: 24 CE Hours 4 Day Course: 32 CE Watch ELECTRIC POWER SYSTEM RELIABILITY - TEXT Detailed tutorial, presenting a new look at the basics of the power system in the context of NERC reliability standards. This perspective is designed to frame each standard, so it's better understood and the information can be more easily operating staff of the power grid. The example of questions at the end of many chapters also helps in preparing for NERC certification exams. Organized in comprehensive chapters, each of which is devoted to the fundamental standards of energy system reliability, is presented in the context of the appropriate foundations of the power grid, which was designed to provide the technical information necessary to understand the Standards and ensure relevance and perspective, to emphasize the purpose of each standard or group of standards This presentation format is designed to frame each group of standards, so that information can be easily assimilated and retained by the electrical personnel of the system each chapter is designed around the basics of the reliability of the power system and related to the information to explain the purpose, intent and technical significance of the standards in this group Key Standards requirements are summarized Any remaining requirements from the standards group submitted for the completeness of the questions presented at the end of most chapters to allow the reader to check for understanding the Chapter contains a description of the details of the NERC system operator exams and the registration process for these exams includes updated standards CIP NERC SYSTEM OPERATOR EXAM EXAM EXAM DVD DVD SERIES This series of DVD 7 modules was produced within one 5-day modules , 40-hour NERC System Operator Exam training class classes and provides 25 hours of viewing time. It is a combination of class lecture, modeling and NERC exam sample question review. Resource and Demand Balancing Voltage Management and Reactive Power System Disruption and Emergency Response Reliability Reliability Operating Limits and Reliability Coordination of Emergency Transmission System Recovery System Transfer Operations Transfer Transfer Planning Cyber Infrastructure Communications Personnel Performance, Training and Skills Services Design, Connections and Maintenance Of the Nuclear Power Plant Interface Coordination Power System Stability System Power System Stability NERC , 003, 004, 005, 006 Chapter 2: Management of Voltage and Reactive Energy NERC Standard VAR-001, 002 Chapter 3: Power System Disruption and Emergency Response NERC Standard BAL-002 Chapter 4: Reliability Operating Limits and Reliability Coordination NEIRO-0002, 008, 009, 010, 014, 017, 018 FAC-011, 014 Chapter 5: Transfer Overload NERC Standards IRO-006, FAC- 008, 013, MOD-001, 004, 008 Chapter 6 : Emergency Operations NERC Standards EOP- 004, 008, 010, 011 Chapter 7: Restoring the NeRC Power System Standards EOP-005, 006 Chapter 8: Transmission System Operation NERC Standards TOP-001, 002, 003, 010 PRC-001, 004 via 006, 010, 011, 015 via 019, 023 via 026 Chapter 9: Exchange NERC Standards INT-004, 006, 009, 010 Chapter 10: Transfer Planning NERC Standards MOD-020, 025-033 TPL-001, TPL-007, FAC-010 Chapter 11: Cyber Infrastructure NERC Standards CIP-002 to 009, 014 Chapter 12: Communications NERC Standards COM-001, 002 Chapter 13: Personnel Performance, Training and Skills NERC Standards PER-003 via 005 Chapter 14: Design Facilities, Connections and Maintenance NERC Standards FAC-001 , 002, 003 Chapter 15: Coordination of the Aesi Interface -NUC-001 Chapter 16: Power Stability Chapter 17: Power System Simulation OPS-X presents the training of the power grid operator in a practical modeling environment. The program trains and provides system operators with experience with a wide range of scenarios from the basics of the power grid to system emergencies. OPS-X is organized into 7 different simulation modules each with its own learning goals. The goal of the program is to place power system operators out of their comfort zone, in unfamiliar circumstances, with a skinny power system, faster than real-time to develop and test instincts and reactions. System simulations greatly enhance their learning experience and improve their material retention. Each module is approved within 8 hours of NERC CE and a different number of hours of standards and modeling. Each exercise is aimed at a specific area of power grid operation. The text of the presentation describes the basics of the relevant principles of work and the purpose of implementation. These principles are then in motion faster than real-time power system simulations. Operators must respond to changing power grid conditions in order to keep the system within the basic parameters of operation. Each Operator receives a score based on their ability to respond correctly to changing conditions. The interactive simulator program is designed in accordance with NERC EOP-005 and PER-005 standards for modeling and training. OPS-X meets NERC's annual requirement to train system emergency operations and is approved under the new expanded operator certification program. Series provides: 56 CEHs 56 Emergency Operations Watch 51 NERC Standard Watch 44 Simulation Watch to NERC System Certification Requirements OPS-X Module I includes 6 computer simulations based on exercise involving load and balancing generation, ACE, AGC, AVR operations and voltage control. These activities further strengthen the foundations and standards presented in our text. Completing exercises will enhance your understanding and greatly increase your material retention. The Advanced OPS-X Simulator also includes 6 advanced simulation modules (29 exercises) designed to analyze contingencies, manage congestion, restore the system and work transfers to enhance and expand the expansion how the power grid and NERC standards are functioning. This is the most rigorous preparation available and the most rewarding. The OPS-X I module is a prerequisite. OpS-X Simulator is available in CD-ROM format and runs on a standalone PC. Simulation training can be accepted as an independent, independent study or can be used in a team/role-playing environment. Enhances the reliability of the system Helps personnel meet training requirements NERC Provides in-depth concepts of economic dispatch, load and balance generation, line loading and voltage management Helps reduce operating costs of the system and increase the revenues of THE OPS-X SIMULATION TRAINING PROGRAM FOR ELECTRIC CLASSROOM INSTRUCTION FOR NERC ELECTRIC SYSTEM A three- or four-day classroom workshop includes content and exercises taught from Electric Power System Reliability Text and improved with the simulator. The courses are designed to train operators of the electrical system and prepare for the certification exams of the OPERATOR of the NERC system. Courses can be customized to your specific requirements. Each course offers either 24 or 32 CEHs. A small group of courses with at least 10 participants provides a fast pace of learning among all participants. All NERC training is approved and can be applied to the new NERC Extended Operator Certification Program and meets NERC's emergency training requirements, and the courses provide an excellent foundation in the power system framework for the new NERC operator certification exam. TRAIN-THE-TRAINER INSTRUCTOR-LED PROGRAM Программа инструктора-инструктора-инструктора охватывает шесть всеобъемлющих тем и предназначена для расширения возможностей МСП в соответствии с систематическим подходом к обучению (SAT), как того требует СТАНДАРТ НАДЕЖНОСТи NERC PER-005. NERC Reliability Standards History Review of Current Standards Importance mandatory and compulsory PER Standards Review the evolution of per PER-005 Systematic Approach to Learning Standards (SAT) Review addie Process Of Continuing Education Administrative Guidance ILA Key Elements CE Learning Skills Presentation to identify target audience to know your delivery methods To determine credibility with your audience Motivate your audience Presentation organization, Structure and Stream Mock Presentation with videotape supplement Training Assessment and Evaluation course Mandatory Structure NERC RELIABILITY STANDARD COMPLIANCE AND REQUIREMENTS Our specialized services include assisting organizations with degree and degree of compliance and establish the procedures and infrastructure required to meet the new reliability standards and requirements approved by NERC, FERC and DOE. Our team is qualified to prepare mock audits and helps companies prepare for auditors' responses. team of experts on the subject managed organizations through a 100% satisfaction audit of NERC. As a result of all inspections, no violations were detected. Our professionals can conduct two- and three-day compliance assessments and audits to help companies determine to what extent they meet applicable NERC standards. The evaluation will provide a complete list of your procedures and measures that relate to NERC standards and areas where additional documentation is required. Requirements Management Software is an Excel-based program that identifies requirements that apply to you and prioritizes to improve risk-based compliance. The software also manages the processes and procedures required to meet the requirements. The software is updated quarterly to reflect new standards and other developments. 56 CEHs 56 Emergency Operations Watch 51 NERC Standard Watch 44 Modeling Watch to NERC Systems Certification Requirements AC Systems EHV Operation Overload System Control System Control System Transmission Operation Operation Operation Operation Emergency Operations Demo Request Request HOME ABOUT WHAT NEW SERVICES CONTACT USA

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