

1. Record Nr.	UNINA9910462561603321
Autore	Vadari Mani
Titolo	Electric system operations : evolving to the modern grid / / Mani Vadari
Pubbl/distr/stampa	Boston : , : Artech House., , ©2013 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2012]
ISBN	1-60807-550-8
Descrizione fisica	1 online resource (275 p.)
Collana	Artech house titles in power engineering
Disciplina	275
Soggetti	Electric power systems Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Define system operations -- Introduction to power systems -- Impact of deregulation on system operations -- Impact of smart/modern grid on system operations -- Business of system operations -- Control center : the hub of system operations -- Energy management systems -- Outage management system -- Distribution management systems -- Distributed energy management system -- System operator training simulators -- Conclusions and what is coming next on the horizon.
Sommario/riassunto	"Here is a timely resource that gives you an insightful business perspective on electric systems operations, revealing how this area is critical to a utility's ability to provide reliable power to its customers. The book presents a thorough definition system operations, identifying and explaining the various systems that support this function and how they integrate into the utility. You discover how a utility's network operation is a key contributor to the viable sustainment of its business. The book presents the convergence of the systems used in the grid operations of today and addresses the emerging needs of the smart grid operations of tomorrow. You learn how system operations help to ensure the right levels of safety, reliability and efficiency in everything that relates to transmission and distribution grid management. The book discusses important technologically intensive systems -- like EMS, DMS -- that function inside the control center. Additionally, you

are introduced to DEMS -- an emerging system which has been designed to help utilities provide better services to customers, and enable customers to become an integral part of the overall utility system"--Provided by publisher.

---