TMN: Telecommunications Management Network (Mcgraw-Hill Telecommunications)

By Divakara K. Udupa

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This excellent introductory and reference book on Telecommunications Management Network explains various TMN concepts and various TMN architectures, interfaces, and reference points. An indispensable technical guide essential for managers, administrators, and technical personnel alike, this book gives full details on Operations, Administration, Maintenance, and Provisioning (OAM&P). TMN offers discussion on ASN.1 and GDMO as well as the TMN information model. It also explains several management protocols used in TMN, such as ACSE, CMISE, SNMPv1, SNMPv2, and SNMPv3.

Detailed TMN applications are covered throughout the book, such as TMN for wireless communications, SDH, ATM, and SONET. Allowing the reader to compare alternatives on other related topics such as CORBA, Java, and Web-based TMN, this book treats the reader to TMN management frameworks, challenges, and future trends. Udupa, author of the popular Network Management System Essentials, gives you a much-needed book -- required reading in the complex and competitive world of telecommunications.

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Editorial Review

From the Author
Abstract

This is an introductory and reference book on Telecommunications Management Network. It explains the TMN concepts such as what is TMN, different TMN architectures, interfaces and reference points. It has details on Operations, Administration, Maintenance, and Provisioning (OAM&P).

This book has a good discussion on ASN.1 and GDMO and TMN information model. It also explains management protocols used in TMN such as ACSE, CMISE, SNMPv1, SNMPv2, and SNMPv3.

This book covers TMN applications in detail. Some of the applications covered are – TMN for wireless communications, SDH, ATM, and SONET. It also includes a good discussion on the latest TMN related topics such as CORBA, Java, and Web based TMN. This book treats elaborately TMN management frameworks, challenges and future trends in TMN.

This is a well illustrated book with questions and plenty of references. This TMN book is essential for professionals involved in telecommunications, TMN, network management, and computer networking.

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About the Author
Mr. Udupa worked for Siemens Information and Communication Network, ISR Global Telecom and IBM in the US in different capacities. He has a wide range of experience as a software developer, designer and architect in computer and telecommunication industries spanning more than fifteen years. He worked in the areas of networking protocols, network management protocols, and TMN.

Mr. Udupa has a B. Sc (Engg) in Mechanical Engineering from Banaras Hindu University, an M. E. in Mechanical Engineering from Calcutta University, and an M. S. in Computer Science from Rensselaer Polytechnic Institute. He holds two patents and has published many technical articles.

He also lectures and writes on IT and other issues. He is the founder of Quality Media.com Private Limited® (QMPL). QMPL publishes computer and Internet related books.

He is a member of ACM.

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Users Review

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