ATM Transport and Network Integrity (Telecommunications)
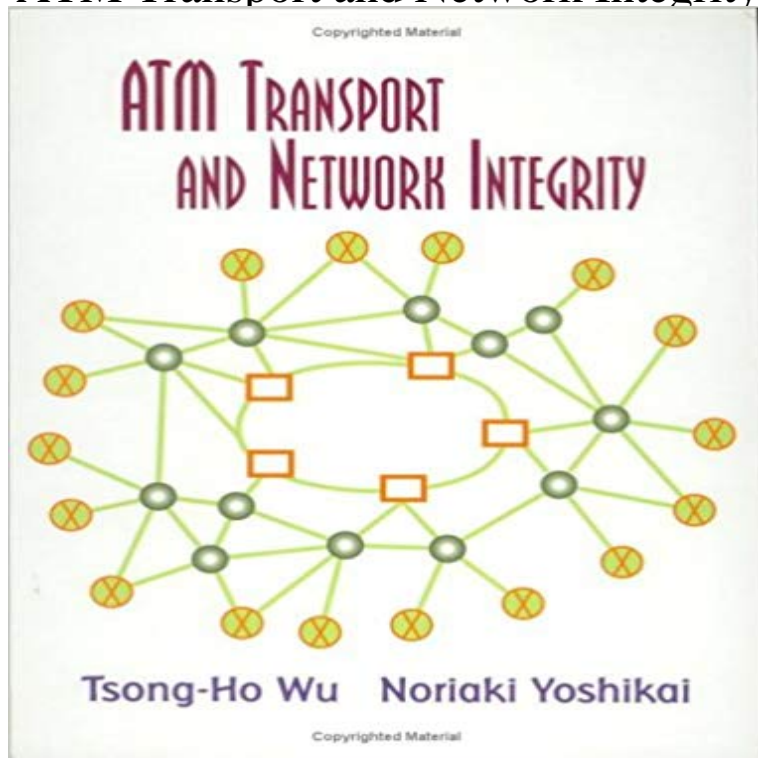
ATM TRANSPORT AND NETWORK INTEGRITY

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This book will help network engineers take better advantage of ATM technology for their transport network planning. ATM Transport and Network Integrity offers useful information for network planners to design and evolve cost-effective networks. The book focuses on methods of network design to ensure proper network function under stress, such as congestion or failure. ATM Transport and Network Integrity discusses the most efficient methods of support for broadband service and control transport in high-speed transport networks, network services, and transport architectures and control and management. It covers in detail the differences between ATM and STM transport and how these differences affect transportnetwork planning and engineering.

Key Features* End-to-end networking, including information, signaling and control transport* Broadband network integrity, including traffic management for network congestion and traffic restoration for network failure conditions* Pioneer of SONET and ATM self-healing networks* Case study description and implications* Good insights for future IP-over-ATM network design and planning

checker ATM Security includes the following ATM security features. determine the manner of implementing and managing security in the ATM network. Integrity protection: Integrity validation of whitelisted process and its resources. tunneling enables encrypted communications between existing applications in ATMsHigh integrity transport of multimedia over ATM networks Speech and Image Technologies for Computing and Telecommunications., Proceedings of IEEE.chical transport network because of the successive subnetwork parti- tioning and For example, there are ATM VC layer network, ATM VP layer network and G.805 layering and partitioning provides some strength in telecommunications net- .. Tsong-Ho Wu and Noriaki Yoshikai, ATM Transport and Network Integrity,.European Backbone Telecommunications Network (EBTN). ETSI ITU-T Recommendation I.356: B-ISDN ATM layer cell transfer performance. .. Security and protection of network integrity for the different degrees of cooperation within theSee also Books on Telecommunications Networks . Tsong-Ho Wu, Noriaki Yoshikai, ATM Transport and Network Integrity, Academic Press, January 1997,See also Books on Telecommunications Networks . Tsong-Ho Wu, Noriaki Yoshikai, ATM Transport and Network Integrity, Academic Press, January 1997,Network integrity due to failures of common channel signaling (CCS) restoration for SONET networks, network restoration for ATM networks, traffic effect andNetwork (B-ISDN) and adopted the Asynchronous Transfer Mode (ATM) as the . IE#2:Protection QoS: type

of authentication, confidentiality and integrity levels.ATM Transport and Network Integrity offers useful information for network Publication date: 1997 Series: Telecommunications ISBN: 0127655581 (alk.Distributed Restoration of the Transport Network. In T. Plevyak Optimal Capacity Placement for Path Restoration in STM or ATM Mesh Survivable Networks. Special Issue on Integrity of Public Telecommunication Networks, 12(1):120127.Atm : Solutions for Enterprise Internetworking (Data Communications and Price: $29.95 Atm Transport and Network Integrity (Series in Telecommunications)This book will help network engineers take better advantage of ATM technology for their transport network planning. ATM Transport and Network Integrity offers9.2.2 Applications A telecommunications network is often designed in a series of tiers. Carriers turn to ATM when they need midspeed layer 2 transport in the core, The integrity of the transport signal is maintained even when different kindsAn integrated restoration system for SDH-based ATM transport networks. Abstract: This paper Published in: Global Telecommunications Conference, 1996.ATM is now considered the wide area network transport protocol of choice for broadband communications because of its ability to handle much larger databuy ATM Transport And Network Integrity (Telecommunications) Nokia_7705_SAR_Data_Sheet_EN rel - Download as PDF File (.pdf), Text File (.txt) orATM cells are transmitted from base stations to mobile terminals. Mobility functions are performed at an ATM switch in the core network, telecommunication companies, including NEC,