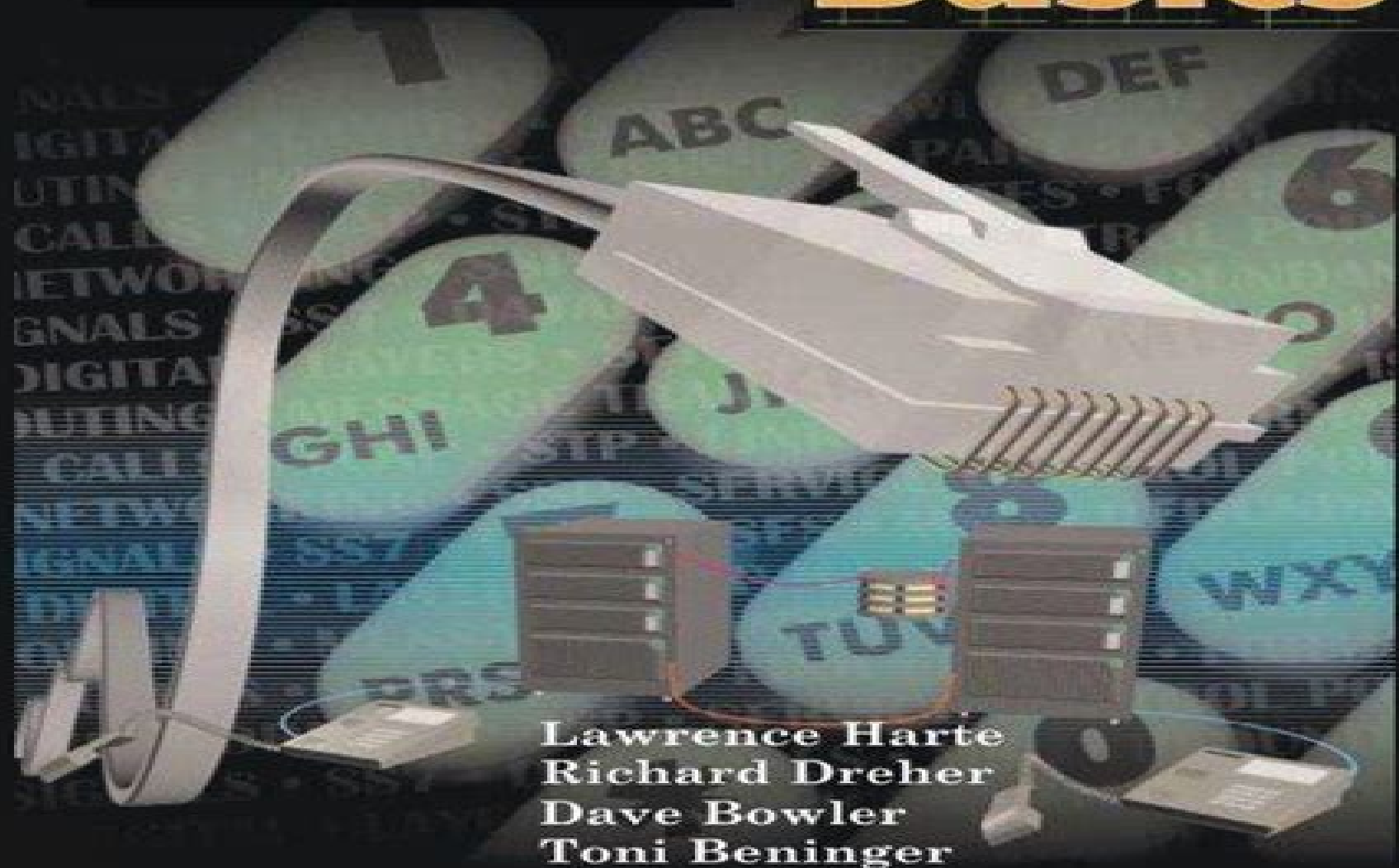


SIGNALING SYSTEM

3rd Edition

Basics



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Richard Dreher
Dave Bowler
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SS7 Basics Lawrence Harte, Richard Dreher, 2003 This introductory book explains the operation of the signaling system 7 SS7 and how it controls and interacts with public telephone networks and VoIP systems SS7 is the standard communication system that is used to control public telephone networks In addition to voice control SS7 technology now offers advanced intelligent network features and it has recently been updated to include broadband control capabilities local number portability and mobile communication services SS7 networks are now interconnecting with and operating on Internet data networks This book will help the reader gain an understanding of SS7 technology network equipment and overall operation It covers the reasons why SS7 exists and is necessary as well as step by step procedures that describe the actions that occur in the network SS7 Basics 3rd Edition is for the technical and the non technical reader alike SS7 network architecture including SSP SCP and STP operations Call processing control ISUP and broadband telephony applications BISUP Mobile application part MAP for communication with wireless systems Transaction capabilities part TCAP Operations Maintenance and Administration OMAP SS7 interaction with voice over data networks including SIP MGCP MEGACO and H 323 Transporting SS7 messages over IP networks using SIGTRAN and SCTP Number portability including local portability LNP service portability and geographic portability Intelligent Network IN and SS7 International SS7 systems *SS7 Basics* Richard Dreher, Lawrence Harte, Toni Beninger, 2002 This introductory book explains how the public telephone network is coordinated through the use of signaling messages The SS7 common channel signaling has been standardized since the 1970 s and is used by almost all public telephone companies throughout the world If you are involved in telecommunications systems SS7 is part of your system This book is the perfect solution for those involved or interested in the operation and control of public telephone systems This book covers the reasons why SS7 exists and is necessary *SS7 Basics* Toni Beninger, 1991

Introduction to SS7; SSP; SCP; STP, and SS7 Protocol Layers Operation Lawrence Harte, David Bowler, Richard Dreher, 2004 This introductory book explains the basic operation of the signaling system 7 SS7 SS7 is the standard communication system that is used to control public telephone networks This book will help the reader gain an understanding of SS7 technology network equipment and overall operation It covers the reasons why SS7 exists and is necessary as well as step by step procedures that describe the actions that occur in the network The SS7 common channel signaling has been standardized since the 1970 s and is used by almost all public telephone companies throughout the world If you are involved in telecommunications systems SS7 is part of your system This book is the perfect solution for those involved or interested in the operation and control of public telephone systems The use of SS7 provides the ability to offer enhanced services and telephone network features Traditional signaling systems cannot provide the level of sophistication required to deliver much more than basic telephone service This book is intended to serve as a brief introduction to SS7 allowing the reader to gain an overall appreciation and understanding of its structure and impact It covers the reasons why

SS7 exists and is necessary as well as step by step procedures that describe the actions that occur in the network when SS7 functionality is easy to understand manner for the technical and the non technical reader alike Some of the most important topics featured are SS7 network architecture including SSP SCP and STP operations Common Control Packet Switching Call processing control ISUP and broadband telephony applications BISUP Message Transfer Part MTP Mobile application part MAP Transaction capabilities part TCAP Operations Maintenance and Administration OMAP Telephony Applications

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web about this chapter the flow of genetic information in cells from dna to mrna to protein is described by the central dogma which states that genes specify the sequence of mrnas which in turn specify the sequence of amino acids making up all proteins the decoding of one molecule to another is performed by specific proteins and rnas

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