

Contents

Preface	V
Introduction — Telecommunications networks in transition: a 21st century perspective	1
<i>Gérard Pogorel</i>	
Part 1: New Telecommunication Services	
1. Business demand for value added services in Europe	13
<i>Matthias-Wolfgang Stoetzer</i>	
2. Sharing in telematic network organizations: opportunities and entry barriers	31
<i>Ettore Bolisani, Giorgio Gottardi and Enrico Scarso</i>	
3. The impact of EDI-based quick response systems on logistics systems	47
<i>Jiro Kokuryo</i>	
4. The making of a Pan-European network as a path-dependency process: the case of GSM versus IBC (Integrated Broadband Communication) Network	59
<i>Gabriella Cattaneo</i>	
5. Telecommunication strategies: incremental change in Europe	81
<i>Robin Mansell and Michael Jenkins</i>	
6. Market support systems: theory and practice	97
<i>Claudio U. Ciborra</i>	
Part 2: Technological changes and standards	
Introduction — Increasing returns: Networks versus natural monopoly. The case of telecommunications	113
<i>Cristiano Antonelli</i>	

7. Percolation structures, Markov random fields and the economics of EDI standards diffusion	135
<i>Paul A. David and Dominique Foray</i>	
8. Economic and political factors in telecommunication standards setting in the U.S. and Japan: the case of BISDN	171
<i>Terry Curtis and Hajime Oniki</i>	
9. Centralization versus decentralization of data communications standards	183
<i>W. Edward Steinmueller</i>	
10. Establishing standards for Telepoint: problems of fragmentation and commitment	201
<i>Peter Grindley and Saadet Tokar</i>	
11. A monopolist's incentive to invite competitors to enter in telecommunications services	227
<i>Nicholas Economides</i>	
12. Reaching compromise in standards setting institutions	241
<i>Peter Swann</i>	

Part 3: Policies and Operators Strategies

13. Inter-firm agreements in telecommunications: elements of an analytical framework	257
<i>P. Llerena and S. Wolff</i>	
14. AT&T, BT, and NTT: vision, strategy, corporate competence, path-dependence, and the role of R&D	277
<i>Martin Fransman</i>	
15. Globalization of telecommunications operators under conditions of asymmetric national regulation	315
<i>Johannes M. Bauer</i>	
16. New strategies for changing structures: the complex nature of Eastern European telecommunication systems	333
<i>Alfred L. Thimm</i>	
Subject index	363