

TABLE OF CONTENTS

FOREWORD	2
1. INTRODUCTION	5
2. CHANGING DEMAND STRUCTURES	7
Demand and infrastructure.....	8
Congestion.....	10
Demand and technology.....	12
Market segments	16
Business-to business.....	16
Residential customers.....	19
Terminals	20
3. CONNECTING TO INFORMATION INFRASTRUCTURES	23
The underlying infrastructures.....	23
Alternative local loops	23
Circuit Switched Networks	24
Data networks.....	26
Broadcasting networks	27
Infrastructure development in the European Union -- Status March 1997	28
Mobile and wireless networks.....	28
4. ACCESS TO INFRASTRUCTURE PLATFORMS	30
Main policy principles	30
Extending competition and facilitating convergence	31
Market access.....	33
Interconnection and peering.....	34
Economic importance of open standards.....	36
Addressing techniques	37
The price of access	38
Universal access.....	39
Global infrastructures and markets	40
5. CONCLUSIONS	42
NOTES	44

Tables

Table 1. Characteristics of the Three Main Infrastructures	9
Table 2. Number of ISDN subscribers in OECD countries, 1995 and 1997	15
Table 3. Demand for second lines in the United States	16
Table 4. Internet Hosts in OECD countries	18

Table 5. Communication terminals in the OECD area, 1996	21
Table 6. Alternative local loop trials in Europe	28

Figures

Figure 1. Percent of sites (by employee size) using the Internet.....	17
Figure 2. Internet hosts per 1 000 inhabitants (incl. .com, .net, .org), July 1998.....	19
Figure 3. ISDN basic rate access subscribers per 1 000 access lines, 1997	26