
ISDN Internet Access Guide

Contents

[Telcordia SR-4024 - Documentation Information](#)

1. Document Summary	1-1
1.1 ISDN Basics	1-1
1.2 Internet Basics	1-1
1.3 ISDN for Internet Access	1-1
1.4 Steps to Getting On-Line	1-2
2. Introduction to ISDN	2-1
2.1 What is ISDN?	2-1
2.2 Two Types of Service: Basic Rate Interface (BRI) and Primary Rate Interface (PRI)	2-1
2.3 The BRI Connection.....	2-2
2.4 The PRI Connection	2-4
3. Introduction to the Internet	3-1
3.1 What is the Internet?	3-1
3.2 Internet Benefits and Applications	3-1
3.3 Internet Statistics	3-2
3.4 Accessing the Internet	3-3
3.4.1 IP Transport Network - “The Highway”	3-3
3.4.2 Access Connection - “The On-Ramp”	3-4
3.4.3 Equipment - “The Vehicle”	3-4
4. Assessing ISDN for Internet Access	4-1
4.1 Comparison with Other Access Technologies	4-1
4.2 Is ISDN for Me?.....	4-3
5. Steps to Getting On-Line	5-1
5.1 Choose Your Internet Service Provider	5-1
5.1.1 Varieties of Service	5-1
5.1.2 What You Will Need from Your ISP	5-2
5.2 Choose Your Equipment/Software.....	5-3
5.2.1 ISDN Terminal Adapter	5-3
5.2.2 ISDN Router.....	5-5
5.2.3 General Equipment Features	5-6
5.3 Order Your ISDN Line.....	5-8
5.3.1 Service Options Overview	5-9
5.3.2 ISDN Ordering Codes	5-10
5.3.3 ISDN Service Pricing	5-10
5.4 Connect and Test.....	5-10
5.5 Troubleshooting	5-11

Appendix A: Some ISDN-Capable Internet Service Providers in the Bell Atlantic
Region¹ A-1

Appendix B: World Wide Web Pointers to More Information B-1

Appendix C: Acronyms Used in This Document C-1

Appendix D: Business ISDN Order Inquiry Form D-1

Appendix E: Residence ISDN Order Inquiry Form E-1

List of Figures

Figure 2-1.	Basic Rate Interface (2B+D) and Primary Rate Interface (23B+D).....	2-2
Figure 2-2.	ISDN BRI Interface and Equipment with Internal NT1	2-3
Figure 2-3.	ISDN BRI Interfaces and Equipment with External NT1	2-4
Figure 3-1.	World Wide Web Growth.....	3-2
Figure 3-2.	The Components of an Internet Connection	3-3
Figure 5-1.	LAN Access	5-1
Figure 5-2.	Individual Access.....	5-2
Figure 5-3.	External and Internal Terminal Adapter Configurations	5-4
Figure 5-4.	Dial Router with Terminal Adapter	5-4
Figure 5-5.	Individual and LAN Router Configurations	5-6
Figure 5-6.	External and Internal NT1 Configurations	5-8

List of Tables

Table 4-1.	Access Line Comparison	4-1
Table 5-1.	Troubleshooting Guide	5-12