
IntraLATA Carrier Identification for ISDN Generic Requirements

Contents

Preface	Preface-1
1. Introduction	1-1
1.1 Definition	1-1
1.2 Background	1-2
1.3 High-Level Feature Description	1-2
1.3.1 Description for Circuit-Mode Operation	1-3
1.4 Structure and Use of This Document	1-3
1.5 Requirements Terminology	1-3
1.6 Requirement Labeling Conventions	1-4
1.6.1 Numbering of Requirement and Related Objects	1-4
1.6.2 Requirement, Conditional Requirement, and Objective Object Identification	1-4
2. User Perspective	2-1
2.1 User Perspective for Circuit Mode	2-1
3. Requirements for Circuit Mode Calls	3-1
3.1 Feature Operations	3-1
3.1.1 Basic Rate Interface Requirements	3-2
3.1.1.1 Other Feature Operations	3-6
3.1.1.2 Error Treatment and Abnormal Events	3-6
3.1.2 Primary Rate Interface Requirements	3-8
3.1.2.1 Other Feature Operations	3-12
3.1.2.2 Error Treatment and Abnormal Events	3-12
3.2 Internal Call-Processing Controls	3-13
3.2.1 Class of Service/Configuration	3-13
3.2.2 Code Interpretation	3-13
3.2.3 Screening	3-14
3.2.4 Routing	3-14
3.2.5 Charge Treatment Determination	3-15
3.3 Signaling/Message Structure	3-15
3.3.1 Common Signaling/Message Structure	3-15
3.3.1.1 Messages	3-15
3.3.1.2 Information Elements	3-16
3.3.2 SS7 Interface Signaling	3-19
3.4 Administration	3-20
3.4.1 Memory Administration	3-20

3.4.1.1	Service Changes/Subscription Parameters	3-20
3.4.2	Network Maintenance	3-22
3.4.2.1	Surveillance	3-22
3.4.2.2	Testing	3-23
3.4.3	Network Data Collection	3-23
3.4.4	Network Traffic Management.....	3-24
3.4.5	Billing and Comptroller	3-24
3.5	Interactions.....	3-25
3.5.1	BRI Interactions	3-25
3.5.1.1	ISDN Basic Business Groups	3-25
3.5.1.2	ISDN Call Forwarding.....	3-25
3.5.1.3	ISDN Automatic Callback.....	3-26
3.5.1.4	Automatic Recall	3-27
3.5.2	PRI Interactions.....	3-27
3.5.2.1	Call-by-Call Service Selection	3-27
3.5.2.2	Call Deflection.....	3-28
3.6	Limitations and Restrictions	3-28
Appendix A:	Data Dictionary for IntraLATA Carrier Identification for ISDN	A-1
A.1	Scope and Definition	A-1
A.2	Allowed Data Values	A-2
A.3	Data Dictionary	A-2
References	References-1
Acronyms.....	Acronyms-1

List of Figures

Figure 3-1. Transit Network Selection Information Element.....	3-16
Figure 3-2. Network-Specific Facilities Information Element.....	3-18

List of Tables

Table 3-1. SETUP Message Content.....	3-15
Table 3-2. Type of Network Identification.....	3-17
Table 3-3. Network Identification Plan	3-17
Table 3-4. Type of Network Identification.....	3-18
Table 3-5. Network Identification Plan	3-19
Table 3-6. Network Identification	3-19
Table 3-7. Subscription Parameters per-SPCS	3-21
Table 3-8. Subscription Parameters Related to ISDN BRIs	3-21
Table 3-9. Subscription Parameters Related to ISDN PRIs.....	3-22
Table A-1. Explanation of Columns.....	A-1
Table A-2. Types & Definitions	A-2
Table A-3. Data Dictionary	A-3