

Contents

[Telcordia TR-TSY-000829-Documentation Information](#)

| | |
|--|------------|
| Introduction to Revision 1 | 1 |
| 11.3.2.4 The mp-eoc Data Read Mode..... | 11.3-33(a) |
| 11.3.2.4.4 Data Format..... | 11.3-33(a) |
| 11.3.2.5 The mp-eoc Data Write Mode..... | 11.3-38(a) |
| 11.3.2.5.4 Data Format..... | 11.3-38(b) |

11. Generic Operations Interfaces
11.3 Embedded Operations Channels

CONTENTS

EXECUTIVE SUMMARY

11. GENERIC OPERATIONS INTERFACES 11.3-1

11.3 GENERIC OPERATIONS INTERFACES – EMBEDDED OPERATIONS CHANNELS 11.3-3

11.3.1 The Embedded Operations Channels for the Simple DSL 11.3-4

11.3.1.1 LT-to-NT and LULT-to-NT pp-eoc Interface Specification 11.3-4

11.3.1.2 LT-to-LUNT pp-eoc Interface Specification 11.3-9

11.3.2 The mp-eoc Embedded Operations Channel 11.3-24

11.3.2.1 Relative Addressing on the mp-eoc 11.3-24

11.3.2.2 The mp-eoc Command/Response Mode 11.3-26

11.3.2.3 The mp-eoc UTC Mode 11.3-29

11.3.2.4 The mp-eoc Data Read Mode 11.3-29

11.3.2.5 The mp-eoc Data Write Mode 11.3-33

11.3.2.6 The mp-eoc Alarm Mode 11.3-38

11.3.2.7 *mp-eoc* Idle Condition 11.3-39

11.3.3 The IDLC Embedded Operations Channel 11.3-60

11.3.4 Acronyms 11.3-62

11.3.5 References 11.3-64

LIST OF FIGURES

| | |
|--|---------|
| Figure 11.3-1. Point-to-Point (<i>pp-eoc</i>) Configurations | 11.3-12 |
| Figure 11.3-2. Standard <i>eoc</i> Protocol Stack | 11.3-13 |
| Figure 11.3-3. Command/Response <i>eoc</i> Protocol Mode | 11.3-16 |
| Figure 11.3-4. Unable-to-Comply (UTC) <i>eoc</i> Protocol Mode | 11.3-17 |
| Figure 11.3-5. NT1 Protocol State Transition Diagram | 11.3-18 |
| Figure 11.3-6. LT Protocol State Transition Diagram (Point-to-Point Configuration | 11.3-20 |
| Figure 11.3-7. Another Point-to-Point <i>eoc</i> (<i>pp-eoc</i>) Configuration | 11.3-22 |
| Figure 11.3-8. Typical <i>mp-eoc</i> Configuration | 11.3-40 |
| Figure 11.3-9. <i>mp-eoc</i> Protocol Stack | 11.3-41 |
| Figure 11.3-10. "Worst Case" ISDN Basic Access Configuration | 11.3-42 |
| Figure 11.3-11. Data Read <i>eoc</i> Protocol Mode | 11.3-43 |
| Figure 11.3-12. Threshold Condition Register | 11.3-44 |
| Figure 11.3-13. Alert Settings Register | 11.3-45 |
| Figure 11.3-14. Data Write <i>eoc</i> Protocol Mode | 11.3-46 |
| Figure 11.3-15. LT Protocol State Transition Diagram | 11.3-47 |
| Figure 11.3-16. Intermediate Node Protocol State Transition Diagram | 11.3-50 |
| Figure 11.3-17. IDLC EOC Protocol Stack | 11.3-61 |

LIST OF TABLES

| | |
|---|---------|
| Table 11.3-1. <i>eoc</i> Frame Structure | 11.3-7 |
| Table 11.3-2. NT1 and Broadcast <i>eoc</i> Addresses | 11.3-7 |
| Table 11.3-3. LT-to-NT1 DSL Superframe | 11.3-14 |
| Table 11.3-4. NT1-to-LT Superframe | 11.3-15 |
| Table 11.3-5. ISDN Basic Access ANSI T1.601-1988 <i>eoc</i> Messages | 11.3-23 |
| Table 11.3-6. Command/Response Message for the <i>mp-eoc</i> | 11.3-55 |
| Table 11.3-7. Generic Data Read <i>mp-eoc</i> Messages | 11.3-56 |
| Table 11.3-8. Generic Data Write <i>mp-eoc</i> Messages | 11.3-57 |
| Table 11.3-9. Identification Modifier <i>mp-eoc</i> Messages for Data Read/Write | 11.3-58 |
| Table 11.3-10. Alarm Message for the <i>mp-eoc</i> | 11.3-59 |