

## Contents

Preface . . . . .	Preface-1
1. Introduction . . . . .	1-1
1.1 Definition . . . . .	1-1
1.2 Background . . . . .	1-1
1.3 High Level Feature Description . . . . .	1-1
2. User Perspective . . . . .	2-1
2.1 Customer Perspective . . . . .	2-1
2.1.1 Two-Level Activation Procedure . . . . .	2-1
2.1.2 One-Level Activation Procedure . . . . .	2-2
2.2 Agency Perspective . . . . .	2-2
3. Feature Requirements . . . . .	3-1
3.1 Feature Operations . . . . .	3-1
3.1.1 Main Feature Operations . . . . .	3-1
3.1.2 Release Treatment . . . . .	3-1
3.1.3 Interrupt Treatment . . . . .	3-2
3.1.4 Error Treatment and Abnormal Events . . . . .	3-2
3.2 Internal Call Processing Controls . . . . .	3-3
3.2.1 Connections . . . . .	3-3
3.2.2 Class of Service . . . . .	3-3
3.2.3 Code Interpretation . . . . .	3-4
3.2.4 Screening . . . . .	3-4
3.2.5 Routing . . . . .	3-5
3.2.6 Charge Treatment Determination . . . . .	3-5
3.2.7 Overload . . . . .	3-5
3.3 Signaling . . . . .	3-5
3.3.1 Customer Loop . . . . .	3-5
3.3.2 Customer Signaling . . . . .	3-5
3.3.2.1 Two-Level Activation Procedure . . . . .	3-6
3.3.2.2 One-Level Activation Procedure . . . . .	3-6
3.3.3 Intersystem DC Signaling . . . . .	3-7
3.3.4 Intersystem AC Signaling . . . . .	3-7
3.3.4.1 Common Channel Signaling (CCS) . . . . .	3-7
3.4 Transmission . . . . .	3-7
3.5 Administration . . . . .	3-8
3.5.1 Service Changes . . . . .	3-8
3.5.1.1 Telco (System) . . . . .	3-8
3.5.1.2 Customer . . . . .	3-8
3.5.2 Installation . . . . .	3-8
3.5.3 Modification or Retrofit . . . . .	3-8
3.5.4 Person/System Interface . . . . .	3-9
3.5.5 Traffic Measurements . . . . .	3-9
3.5.6 Maintenance Measurements . . . . .	3-9

3.5.7	Network Management . . . . .	3-9
3.5.8	Billing and Comptroller . . . . .	3-10
3.5.9	Quantities . . . . .	3-11
3.5.10	Data Items and Usage . . . . .	3-11
3.6	Maintenance . . . . .	3-11
3.6.1	Automated System Maintenance . . . . .	3-11
3.6.2	Manual System Maintenance . . . . .	3-11
3.6.3	Input/Output Messages . . . . .	3-12
3.7	Performance . . . . .	3-12
3.8	Interactions . . . . .	3-12
3.9	Limitations and Restrictions . . . . .	3-13
3.9.1	Unusual Feature Operation . . . . .	3-13
3.9.2	Restriction Capability . . . . .	3-13
3.10	Timing and Tolerances . . . . .	3-13
4.	Feature Flow Diagram . . . . .	4-1
	Appendix A: Additional Notes on Centrex . . . . .	A-1
	Appendix B: Incoming Memory Slot Requirements . . . . .	B-1
B.1	Introduction . . . . .	B-1
B.2	Contents of Incoming Memory Slot . . . . .	B-1
B.3	Update Requirements . . . . .	B-2
B.3.1	No Common Channel Signaling Connectivity . . . . .	B-2
B.3.2	Private Branch Exchange Calls . . . . .	B-2
B.3.3	Calls From Two-Party Lines . . . . .	B-3
B.3.4	Multiparty Lines . . . . .	B-3
B.3.5	Multiline Hunt Group Calls . . . . .	B-3
B.3.6	Operator Calls . . . . .	B-3
B.3.7	Centrex Calls . . . . .	B-3
B.4	Feature Interactions . . . . .	B-3
B.4.1	Call Waiting . . . . .	B-4
B.4.2	Call Forwarding Variable . . . . .	B-4
B.4.3	Selective Call Forwarding . . . . .	B-4
B.4.4	Call Forwarding Busy Line . . . . .	B-4
B.4.5	Call Forwarding Don't Answer . . . . .	B-5
B.4.6	Automatic Recall/Automatic Callback . . . . .	B-5
B.4.7	Selective Call Rejection . . . . .	B-5
B.4.8	Three-Way Calling . . . . .	B-5
B.4.9	Call Transfer . . . . .	B-6
	References . . . . .	References-1
	Glossary . . . . .	Glossary-1

## List of Figures

Figure 4-1.	Customer Originated Trace Feature Flow Diagram - Two-Level Activation . . . . .	4-1
Figure 4-2.	Customer Originated Trace Feature Flow Diagram - One-Level Activation . . . . .	4-2