

TABLE OF CONTENTS

APPROVAL SHEET	i
ABSTRACT	iii
TABLE OF CONTENTS.....	iv
LIST OF IMAGES	vi
LIST OF TABLES	vi
CHAPTER I INTRODUCTION	7
1.1. Background	7
1.2. Problem Formulation	8
1.3. Objectives and Benefits	8
1.4. Scope of Problem.....	9
1.5. Research Methods.....	10
1.6. Implementation Schedule.....	10
CHAPTER II LITERATURE REVIEW	12
2.1. Telecommunication	12
2.2. EDC Device.....	13
2.3. Failover	14
2.4. Failover System Supporting Technology.....	15
2.5. Disruption in EDC Transactions	17
CHAPTER III SYSTEM DESIGN	19
3.1. System Design	19
3.1.1. Block Diagram	19
3.1.2. Functions and Features	20
3.2. Hardware System Design.....	22
3.2.1. Components Specifications	23
CHAPTER IV SYSTEM DESIGN RESULT AND ANALYSIS	25
4.1 System Design and Implementation.....	25
4.2 Testing of Implemented System and Providers Used	28
4.2.1 Automatic Failover Test	28
4.2.2 Network Performance Test.....	29

4.3	Analysis of Test and Measurements Results	30
CHAPTER V CONCLUSION AND SUGGESTIONS.....		32
5.1	Conclusion	32
5.2	Suggestions	33
REFERENCES		34
ATTACHMENTS		36