

## Table of Contents

<b>Table of Contents .....</b>	<b>ii</b>
<b>Revision History.....</b>	<b>ii</b>
<b>1. Introduction.....</b>	<b>1</b>
1.1 Purpose.....	1
1.2 Intended Audience and Reading Suggestions .....	2
1.3 Product Scope .....	2
1.4 References .....	4
<b>2. Overall Description .....</b>	<b>6</b>
2.1 Product Perspective .....	6
2.2 Product Functions .....	6
2.3 User Classes and Characteristics .....	9
2.4 Operating Environment .....	10
2.5 Design and Implementation Constraints .....	11
2.6 User Documentation .....	12
2.7 Assumptions and Dependencies.....	12
<b>3. External Interface Requirements .....</b>	<b>13</b>
3.1 User Interfaces .....	13
3.2 Hardware Interfaces .....	24
3.3 Software Interfaces .....	24
3.4 Communications Interfaces .....	24
<b>4. System Features .....</b>	<b>25</b>
4.1 E-R Diagram .....	25
4.2 Use Case Diagram .....	25
4.3 Use Case Scenarios .....	26
4.4 Activity Diagram .....	34
<b>5. Other Nonfunctional Requirements .....</b>	<b>40</b>
5.1 Performance Requirements .....	40
5.2 Safety Requirements .....	40
5.3 Security Requirements .....	40
5.4 Software Quality Attributes .....	40
5.5 Business Rules .....	41
<b>6. Other Requirements .....</b>	<b>42</b>
<b>Appendix A: Glossary .....</b>	<b>43</b>
<b>Appendix B: Analysis Models .....</b>	<b>45</b>
<b>Appendix C: To Be Determined List .....</b>	<b>46</b>

## Revision History

Name	Date	Reason For Changes	Version