Table of Contents

[1. Introduction 1](#_Toc27336873)

[1.1. Purpose of the System 1](#_Toc27336874)

[1.2. Design Goals 1](#_Toc27336875)

[1.3. Definitions, Acronyms, and Abbreviations 2](#_Toc27336876)

[1.4. References 3](#_Toc27336877)

[2. Current Software Architecture 3](#_Toc27336878)

[3. Proposed Software Architecture 3](#_Toc27336879)

[3.1. Overview 4](#_Toc27336880)

[3.2. System Decomposition 5](#_Toc27336881)

[3.3. Hardware Software Mapping 7](#_Toc27336882)

[3.4. Persistent Data Management 7](#_Toc27336883)

[3.5. Access Control and Security 8](#_Toc27336884)

[3.6. Global Software Control 9](#_Toc27336885)

[3.7. Boundary Conditions 9](#_Toc27336886)

[4. Subsystem Services 10](#_Toc27336887)

[5. References 10](#_Toc27336888)

Berkay

Gözde

Umut