***SOFTWARE REQUIREMENTS SPECIFICATION***

Project Title

Tram member

**1.0 Introduction**

This section provides an overview of the entire requirement document. This document describes all data, functional and behavioral requirements for software.

**1.1 Goals and objectives**

Overall goals and software objectives are described.

**1.2 Statement of scope**

A description of the software is presented. Major inputs, processing functionality and outputs are described without regard to implementation detail.

**1.3 Software context**

The software is placed in a business or product line context. Strategic issues relevant to context are discussed. The intent is for the reader to understand the 'big picture'.

**1.4 Major constraints**

Any business or product line constraints that will impact the manner in which the software is to be specified, designed, implemented or tested are noted here.

**2.0 Usage scenario**

This section provides a usage scenario for the software. It organized information collected during requirements elicitation into use-cases.

**2.1 User profiles**

The profiles of all user categories are described here.

**2.2 Use-cases**

All use-cases for the software are presented.

**2.3 Special usage considerations**

Special requirements associated with the use of the software are presented.

**3.0 Data Model and Description**

This section describes information domain for the software

**3.1 Data Description**

Data objects that will be managed/manipulated by the software are described in this section.

**3.1.1 Data objects**

Data objects and their major attributes are described.

**3.1.2 Relationships**

Relationships among data objects are described using an Entity-Relationship Diagram (ERD) like form. No attempt is made to provide detail at this stage.

**3.1.3 Complete data model**

An ERD for the software is developed

**3.1.4 Data dictionary**

A reference to the data dictionary is provided. The dictionary is maintained in electronic form.

**4.0 Functional Model and Description**

A description of each major software function and software interface is presented.

**4.1.** **Description of Major Functions**

Each requirement is uniquely identified.

**4.1.1 Requirement 1**

**….**

**4.1.n Requirement N**

**4.2 Software Interface Description**

The software interface(s) to the outside world is(are) described.

**4.2.1 External machine interfaces**

Interfaces to other machines (computers or devices) are described.

**4.2.2 External system interfaces**

Interfaces to other systems, products or networks are described.

**4.2.3 Human interface**

An overview of any human interfaces to be designed for the software is presented.

**5.0 Restrictions, Limitations, and Constraints**

Special issues which impact the specification, design, or implementation of the software are noted here.