BarCheck

Stakeholder Requirements Specification (StRS) Template v1.0

*[Instructions Specific to the course StRS including formatting and any notable notation.]*

This document is an annotated outline intended for specifying system requirements and is adapted from IEEE 29148-2018.

[Version 1]

Prepared By: [Isaac Petrella]

Prepared For [SUNY Oswego ISC496]

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# Table of Contents

[**Table of Contents**](#_ldjob8k7zpz5) **2**

[**Change Log**](#_3mmssxfzzqjn) **3**

[**1. Introduction**](#_l3390y66rn29) **3**

[1.1 Stakeholder Purpose](#_raqcr08ft5jf) 3

[1.2 Stakeholder Scope](#_ekdlndfuat4s) 3

[1.3 Overview](#_794u8193ei48) 4

[1.4 Definitions](#_5zf4bh61neff) 4

[1.5 Stakeholders](#_pb9g9h27wegs) 4

[**2. References**](#_6blny72xeox0) **5**

[**3. Business Management Requirements**](#_k6i0q6aybig9) **5**

[3.1 Business Environment](#_5qim5rvwe1sh) 5

[3.2 Mission, Goals, and Objectives](#_4msnyoax8kaz) 5

[3.3 Business Model](#_6x7gn3nm5n3w) 5

[3.4 Information Environment](#_40d9vtthio42) 5

[4. System Operational Requirements](#_pmrj9kiuhk16) **5**

[4.1 System Processes](#_p1ozhaxf0fgk) 5

[4.2 System Operational Policies and Rules](#_oovmjcqpw365) 6

[4.3 System Operational Constraints](#_wj4j2o44xiz3) 6

[4.4 System Operational Modes and States](#_k8s3cyt1lx1) 6

[**5. User Requirements**](#_kobzt279pqnx) **6**

[**6. System Operational Requirements**](#_zau0ju2n7spc) **6**

[6.1 Operational Concept](#_u97cksxvbbs0) 6

[6.2 Operational Scenarios](#_r2cktfarme0d) 6

[6.3 Acquisition Concept](#_498j5ndsn945) 6

[6.4 Deployment Concept](#_gpeybeiv4iw5) 6

[6.5 Support Concept](#_fcmeqj6r7en2) 7

[6.6 Retirement Concept](#_ocutgvjc32kt) 7

[**7. Project Constraints**](#_7ueci8ac2uin) **7**

[8. Appendix A – Tailoring Policies](#_6kbclnxz4hh1) **7**

[8.1 Acronyms and Abbreviations](#_pqknufusr9jb) 7

[8.2 Tailoring Policies](#_z0xischrcbp) 8

[6. Appendix B –Copyright](#_erciyessst7q) **8**

# Change Log

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# 1. Introduction

*[This section of the document is intended to give a wide overview of the project, not identify specific solutions. If a section does not apply,* ***do not remove it from the document,*** *instead, write a brief note on why the section does not apply to the SUD.]*

## 1.1 Stakeholder Purpose

*[Identify the primary reason for the changes proposed by the StRS, such as why the organization is pursuing or adapting existing structures for the new opportunity. Focus on how the system will contribute and/or further business objectives already defined by the organization.]*

## 1.2 Stakeholder Scope

*[Identify the business domain and the business activities covered within that domain, list any entities that may be impacted by the development or adaptiation of a new system. Additionally, identify the general scope of the system you are building. Keep these brief, use bullet points to help organize the information..]*

## 1.3 Overview

*[Define the general information that will be present in this document, as well as how the content will be organized and any other relevant information needed to better understand how to read the StRS]*

## 1.4 Definitions

*[Include any terms and definitions needed to understand the StRS or the System Under Development (SUD), terms placed here should also be placed in the Appendix. Terms should use the full name and the general definition of that term, any abbreviations that will be used in the document and the source should be placed in Appendix 5.2]*

|  |  |
| --- | --- |
| Term | Definition |
| *Example:*  *context of use* | *users, tasks, equipment (hardware, software and materials), and the physical and social environments in which a product is used* |
| System Under Development | The system actively being developed. |
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## 1.5 Stakeholders

*[Identify the stakeholders and describe how they are related to the development and/or operation of the system. If classes of stakeholders are being used, also identify what class the stakeholder belongs to here.]*

# 2. References

*[Include citations to external sources and resources in this section. References to other internal documents can be placed here but should also be referenced in the appendix.*

*Example: ISO/IEC/IEEE 29148.2018, Systems and software engineering*

*Life cycle processes — Requirements engineering]*

# 3. Business Management Requirements

## 3.1 Business Environment

*[Define any environmental factors that should be taken into consideration when eliciting stakeholder requirements for the system to be developed or adapted. Identify anything that may influence the business, such as market trends, laws, regulations, social responsibilities, technology, etc.]*

## 3.2 Mission, Goals, and Objectives

*[Define the goals that will be achieved through the proposed system.]*

## 3.3 Business Model

*[Identify the primary method that the goal is expected to be achieved. Focus on the ways that the proposed system will be used to support and accomplish the business goal, such as the distribution channels of the finished product.]*

## 3.4 Information Environment

*[Describe the organization strategy for common bases of multiple information systems. Include the long-term system plan, database configuration, and project portfolio in this section.]*

# 4. System Operational Requirements

## 4.1 System Processes

*[Give a general description of how and in which context the system will support business activities.]*

## 4.2 System Operational Policies and Rules

*[Based on a business process, describe how the operational policies and rules will be addressed as functional requirements in the SyRs and SRS. Use unique identifiers to make cross-referencing possible.]*

## 4.3 System Operational Constraints

*[Based on a business process, describe the system conditions that will be imposed on the system. The conditions here may result in a performance requirement in the SyRS.]*

## 4.4 System Operational Modes and States

*[Describe the modes and/or states of operation used in the system.]*

# 5. User Requirements

# 6. System Operational Requirements

## 6.1 Operational Concept

*[Define the system from a high-level perspective, do not go into detail here. Be sure to include: operational features, policies, and constraints, general system description, modes of system operation, user classes and personnel, and the support environment.*

## 6.2 Operational Scenarios

*[Using scenarios, describe how users/operators/maintainers will interact with the system in the context of actual use.]*

## 6.3 Acquisition Concept

*[Describe the way that the system will be acquired by stakeholders. This is a wide-reaching topic and should focus on things such as stakeholder engagement, how issues will be addressed, product design, production and verification, etc.]*

## 6.4 Deployment Concept

*[Describe the way that the system will be validated, delivered, and integrated into existing operations once it is deployed.]*

## 6.5 Support Concept

*[Define the support infrastructure and labor considerations for after the system is deployed. Include all branches of support such as engineering, maintenance, training, etc.]*

## 6.6 Retirement Concept

*[Identify and describe the way that the system will be removed from operation and retired. Include how the product will be physically disposed of as well as any information disposal that may be required.]*

# 7. Project Constraints

*[Describe any constraints to completing the project within cost and schedule.]*

# 8. Appendix A – Tailoring Policies

### 8.1 Acronyms and Abbreviations

|  |  |  |  |
| --- | --- | --- | --- |
| Term | Definition | Abbreviation | Source (if applicable) |
| *Example:*  *context of use* | *users, tasks, equipment (hardware, software and materials), and the physical and social environments in which a product is used* | *COU* | *[SOURCE: ISO/IEC 25000:2014, 4.2]* |
| System Under Development | The system which is actively being developed. | SUD |  |
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### 8.2 Tailoring Policies

Tailoring is not a requirement to bring the document into compliance with the standards set by IEEE 29148-2018. Tailoring should only occur when conformance to the standard is not possible or practical. The act of tailoring is the modification and/or removal of one of the content sections outlined in this document, adding additional information items for organization is not considered tailoring. Tailoring should only occur when factors or circumstances:

* surround an organization that is using the document
* influence a project using this document to meet an agreement
* reflect the needs of an organization.

When tailoring the document, the following activities shall be implemented:

* Identify and document the circumstances that may influence tailoring.
  + novelty, size and complexity
  + stability of operating environments
  + variety in operating environments
  + starting date and duration
  + emerging technology
  + availability of services of enabling systems
  + other standards with which the document needs to conform.
* Identify and get input from all parties impacted by the tailoring process.
  + Such as stakeholders, contributors, and other interested parties
* Delete the information contents that require tailoring.

# 6. Appendix B – Copyright

This document is based on a template meeting the ISO/IEC/IEEE 29148-2018 standard, available at <https://www.iso.org/standard/72089.html>. Template authors are:

**Dr. rer. nat. Bastian Tenbergen,**

Associate Professor of Software Engineering

[bastian@tenbergen.org](mailto:bastian@tenbergen.org)

**Mikayla Conner-Spagnola**, MA

Independent Consultant

[mconner@oswego.edu](mailto:mconner@oswego.edu)

Department of Computer Science

State University of New York at Oswego

Oswego, NY 13126, United States

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