**Reviewer(s): Date(s):**

Inspection Checklist for Software Requirements Specifications (SRS)

The inspection/review of the requirements is a formal scrutiny of the list of requirements to ascertain different criteria including that the list is complete and consistent, and each requirement is unambiguous, and can be tested. When examining the requirements the reviewer might use the following questions to see that the document is adequate.

## Organization

~~Is the implementation priority of each requirement included (~~*~~with descriptions of priorities provided~~*~~)?~~

* This requirement isn’t applicable as the original stakeholder didn’t specify a particular priority for his desired product.

Are all internal cross-references to other requirements correct?

* The requirements, while verbose, reference the elements in other parts of the document that are necessary to satisfy them.

**Completeness**

Have algorithms intrinsic to the functional requirements been defined?

* The expected behavior of functional requirements is both explained and shown through examples and/or figures.

Are all requirements written at a consistent and appropriate level of detail?

Does the SRS include all known customer or system needs? *Are all the tasks the user want being specified?*

Is any necessary information missing from a requirement? If so, is it identified as TBD?

* All new requirements identified will be documented on Bugzilla.

Is the expected behavior documented for all anticipated error conditions?

* Not all anticipated error conditions are included, but will be noted as an issue on Bugzilla.

## Correctness

Do any requirements conflict with or duplicate other requirements?

Is each requirement written in clear, concise, unambiguous language?

* The requirements aren’t currently written in a clear and concise manner, and will be noted as an issue on Bugzilla.

Is each requirement verifiable by testing, demonstration, review, or analysis?

* Currently the document isn’t written in such a way to be easily testable.

Is each requirement in scope for the project?

Is each requirement free from content and grammatical errors?

* There are minor grammatical errors across the document.

Can all of the requirements be implemented within known constraints?

Are any specified error messages unique and meaningful?

* Requirements currently lack specified error messages and will be noted as an issue on Bugzilla.

## Quality Attributes (Non functional requirements)

~~Are performance requirements (such as response time, data storage requirements) stated?~~

* This requirement doesn’t pertain to this product.

~~Are all security and safety considerations properly specified?~~

* This requirement doesn’t pertain to this product.

~~Are other pertinent quality attribute goals explicitly documented and quantified, with the acceptable tradeoffs specified?~~

* This requirement doesn’t pertain to this product.

## Traceability

Are requirement dependencies being identified?

Is each requirement uniquely and correctly identified?

Is each requirement traceable to its source?

## Special Issues

Do the requirements provide an adequate basis for design?

Are there requirements that contain an unnecessary level of design detail?

* Due to the verbosity of the document, a determination can’t be made at this time until we’ve made the necessary editions to this 2nd iteration of the requirements.

Are all requirements actually requirements, not design or implementation solutions?

Is each requirement testable?

* While the necessary information is available for testing, it can’t be done without careful reading and filtering of the information.

~~Have internationalization issues been adequately addressed?~~

* Requirement doesn’t pertain to this product.

~~Have localization issues been adequately addressed?~~

* Requirement doesn’t pertain to this product.

~~If the requirements involve complex decision chains, are they expressed in a form that facilitates comprehension (i.e., decision tables, decision trees, etc.)?~~

~~Have requirements for performing software upgrades been specified?~~

~~Have the real-time constraints been specified in sufficient detail?~~

~~Has the precision and accuracy of calculations been specified?~~

Is it possible to develop a thorough set of tests based on the information contained in the SRS? If not, what information is missing?

* While additional information may not be necessary, the document will need to be edited for conciseness before considering a set of tests.

Have Assumptions and Dependencies been clearly stated?