## Checklist for Requirements Specification Reviews

Validity	
	Are all internal cross-references to other requirements correct?
	Are all performance objectives properly specified?
	Are any specified error messages unique and meaningful?
	Is each requirement uniquely and correctly identified?
	Is each software functional requirement traceable to a higher-level requirement (e.g., system requirement use case)?
	Are TBDs still TBD (can any details be added)?
Consiste	ency
	Are all requirements written at a consistent and appropriate level of detail (aside from TBD)?
	Do any requirements conflict with or duplicate other requirements?
	Is each requirement written in clear, concise, unambiguous language?
	Is each requirement free from content and grammatical errors?
	Are all requirements actually requirements, not design or implementation solutions?
Completeness	
	Are all external hardware, software, and communication interfaces defined?
	Have algorithms intrinsic to the functional requirements been defined?
	Does the specification include all of the known customer or system needs?
	Is the expected behavior documented for all anticipated error conditions?
	Are the use cases fully defined and documented to the known extent?
	Is any necessary information missing from a requirement? If so, is it identified as TBD?
	Are all security and safety considerations properly specified?
	Are other pertinent quality attribute goals explicitly documented and quantified, with the acceptable tradeoffs specified?
	Are all time-critical functions identified, and timing criteria specified for them?
Feasibili	ity/Realizability
	Do the requirements provide an adequate basis for design?
	Is the implementation priority of each requirement included?
	Is each requirement in scope for the project?
	Can all of the requirements be implemented within known constraints?
	Are there any potential unnecessary requirements or "golden plating"?
Testabili	ity/Verifiability
	Is each requirement verifiable by testing, demonstration, review, or analysis?
	Is each use case testable independently of one another or are dependencies specified and defined?
	Are all alternate paths and exceptions defined in a verifiable way?