SRS and CA Checklist

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• Foll	nt) checklist (full checklist provided in a separate docu-	
	IATEX points	
	Structure	
	Spelling, grammar, attention to detail	
	Avoid low information content phrases	
	Writing style	
• Foll	lows the template, all parts present	
	Table of contents	
	Pages are numbered	
	Revision history included for major revisions	
	Sections from template are all present	
	Values of auxiliary constants are given (constants are used to improve maintainability and to increase understandability)	
	Symbolic names are used for quantities, rather than literal values	
• Overall qualities of documentation		
	No statement is repeated at the same level of abstraction (for instance the scope should be more abstract than the assumptions, the goal statements should be more abstract than the requirements, etc.)	

Ш	Someone that meets the characteristics of the intended reader could learn what they need to know			
	Someone that meets the characteristics of the intended reader could verify all of the statement made in the SRS. That is, they do not have to trust the SRS authors on any information.			
	Terminology, definitions, symbols, TMs and DDs can be given without derivation, except possibly for a source (citation), but all GDs and IMs should be derived/justified. At least check a representative sample for this criteria.			
	SRS is unambiguous. At least check a representative sample.			
	SRS is consistent. At least check a representative sample.			
	SRS is validatable. At least check a representative sample.			
	SRS is abstract. At least check a representative sample.			
	SRS is traceable. At least check a representative sample.			
	Literal symbols (like numbers) do not appear, instead being represented by SYMBOLIC_CONSTANTS (constants are given in a table in the Appendix)			
• Reference Material				
• Refe	rence Material			
	All units introduced are listed (searching the document can help look for other units that may be present, but not listed)			
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☐ Introductory blurb Includes a "ro	admap"		
☐ "Purpose of the Document" disc pose, not the program's purpose	usses the documentation's pur-		
\square Scope of the requirements is an abs	stract version of the assumptions		
☐ Characteristics of the intended reuser characteristics	eader are not confused with the		
$\hfill\Box$ Characteristics of the intended re	ader are unambiguous		
• General System Description			
☐ System context includes a figure s software system and external enti	_		
\Box User characteristics are unambigu	ous		
\Box User characteristics are specific			
☐ System constraints have an approximation without a reason for that constraint abstract than it should be)	- \		
• Problem Description			
$\hfill\Box$ Each item of the physical system	is identified and labelled		
$\hfill\Box$ Goal statements are abstract			
☐ Goal statements use a minimal and derstandable by non-domain expe			
• Solution Characteristics Specification			
$\hfill\Box$ Each assumption is "atomic" (no	explicit or implicit "ands")		
\square Assumptions are a refinement of t	he scope		
$\hfill\Box$ Each assumption is referenced at	least once		
$\hfill\Box$ A link exists between each chunk	and anything that references it		
\Box The rationale is given for assump	tions that require justification		
$\hfill\Box$ The derivation of all GDs as refine	ments from other models is clear		
\square The derivation of all IMs as refined	ments from other models is clear		

\square All DD are used (referenced) by at least one other model		
\Box The IMs remain abstract		
$\hfill\square$ Input data constraints are given, with a rationale where appropriate		
\square Properties of a correct solution are given		
• Functional Requirements		
\Box IMs and (possibly) TMs and GMs are referenced as appropriate by the requirements.		
\square All requirements are validatable		
☐ All requirements are abstract		
$\hfill \square$ Requirements are traceable to where the required details are found in the document		
• Nonfunctional Requirements		
□ NFRs are verifiable		
• Likely and Unlikely changes		
\Box Likely changes are feasible to hide in the design		
• Traceability Matrices		
☐ Traceability matrix is complete		