

Design Review Checklist				
S. No.	Category	Item	Yes/No/NA	Remarks
				By shailja Patil
	Tracable			
1.1		Are all requirements addressed in the design?	Yes	yes
1.2		Does design capture feature or function level design/flows/data structures for meeting functional requirements?	Yes	yes
1.3		Are all the (external and internal) interfaces designed	Yes	yes
1.4		Have the performance requirements been addressed?	NA	NA
1.5		The design addresses security	Yes	YES
1.6		The design ensures that the scalability requirements, if any, are addressed	Yes	yes (passwords displayed as stars)
1.7		The software (component) design addresses porting requirements	NA	NA
1.8		The software (component) design considers the maintainability requirements	NA	NA
1.9		The design does not violate any design constraints documented in the SRS	NA	NA
1.1		The design does not violate any requirement	Yes	Yes
1.11		All stated and unstated (implied) requirements are addressed	Yes	yes
1.12		Has the updated RTM been sent as part of deliverables for review? (RTM should also be a part of the deliverable for review)	Yes	yes
	Complete			
2.1		All Applicable sections are filled as per template	Yes	yes
		The design addresses response of the software (module) to all erroneous response from the software (module)	Yes	yes
2.2		The design addresses response of the software (module) to all valid (and invalid) input data as defined in the SRS/any other requirement specification document	Yes	yes
2.3		Has an alternate design approach been considered?	NA	NA
2.4		Is the alternate design approach documented in the document?	NA	NA
2.5		Is the rationale for following an approach documented?	NA	NA
2.6				
	Accurate			
		All assumptions made during the design been stated clearly	Yes	YES
3.1		Are all design assumptions validated	Yes	yes
3.2		The design does not impose any new requirements	Yes	yes
	Consistency			
4.1		There is no conflict within the design sections	Yes	yes
	Detailed			
5.1		The Inter process communication protocol, if required, is defined	NA	NA
5.2		The design is understandable	Yes	Yes
	Design Reuse			
6.1		Has any part of the design reused	NA	NA
	Capacity and Scalability			
8.1		Has the main data structures which would occupy major RAM memory been identified?	No	No
8.2		Has the capacity values for the main data structures which would occupy major RAM been identified?	No	No
8.3		Has the total memory used for static storage as well as transactional memory been theoretically calculated for Max resources	No	No
8.4		Is the memory requirement for the system within limits (both for 64bit as well as 32bit)?	Yes	Yes
8.5		Does the design take care to allocate memory for the resources at init time?	NA	NA