

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