

Comparison of Software requirement specifications(SRS) of Various companies with IEEE SRS

1) TCS:

- TCS SRS format is more detailed compared to IEEE SRS format.
- TCS has a Software Sequence and Schedule section which describes the sequence of different phases of software development and their timing when a particular phase has to be completed and within what time.
- TCS has various design sections like Software specification review, Software design, Software critical design review, Software coding, Software debugging. Hence we can say that the software development part is rigorous and thorough in TCS.
- It also has module testing, Software testing, integrated software and hardware testing for the complete testing phase.
- It has a software handover section , describes various details involved in handing over the software to the client.
- It has a Software Safety section which has the Software Certificate and a section for Start up and Shut down procedure to describe how to start the software and shut it down safely.
- It has a section for Comments and unused code which is not present in IEEE SRS.

2) Infosys:

- Infosys does not have a section of Document Convention which is used to describe some Definitions, Acronyms and Abbreviations used in the document.
- Infosys SRS does not have a section for Use Case Models, which will make it difficult for the Users to understand the model.
- This has a Section for External Interfaces which includes user interface, Hardware and software interfaces and Communication interfaces.
- Infosys does not have a section for Product functions which summarizes the major functions the product must perform or must let the user perform.
- Infosys does not have a section for User documentation in the SRS, which might make it difficult for the usage of the software.
- The Nonfunctional requirement section in Infosys SRS does not provide any information about the Business rules as IEEE SRS does.

3) IBM:

- The section of External interface requirements in IEEE includes the user, hardware, software, communication interface which is not present in IBM SRS.
- The Definitions, Acronyms and Abbreviations sections are pretty helpful if the user is having any problems in understanding the contents of the document.
- The Technology requirements is included in the Introduction section itself and the hardware requirements are not specified.

- The intended audience section which describes the types of readers that the document is intended is not included in the IBM SRS.
- The Overall Description section which includes Use case Models and Architecture diagrams helps in understanding the model easily .
- The IBM SRS doesn't have a section of non-functional requirements but this section in the IEEE SRS describes about the performance, safety and security requirements and also provides a information about the Business Rules.
- This is not as explanatory as IEEE format.