* Hardware safety requirements
  + Hardware development may not be dependent on hardware requirements
  + Technical safety requirements are inputs to hardware safety requirements.
  + Each TSR has a designated allocation, indicating whether it pertains to hardware, software or both.
  + HSR must be described in terms of current, timing, voltage, hardware diagnostics and so on.
  + HSR should also encompass how faults are detected, what types of faults can be detected, and how external faults from other elements are detected.
* Software safety requirement
  + Start-up diagnostics
  + Software participation
  + Boot time
  + Execution order
  + Shutdown sequence
  + Interfaces
  + Timing and methods
* Hardware architectural design – component and its interaction
* Hardware detailed design – electrical and electronics parts and its interaction making up hardware component.
* Software unit design comment best practices, comment should:
  + Contain the functional description of a section of source code file,
  + Describe interface
  + Describe return values
  + Have traceability tags to the software requirements and even
  + Unit test cases IDs for the future traceability