*Requirements Standards*

Requirements must include:

* Header with general basetag (ex. TDET)
  + May contain generalized description of functionality of a module/submodule
* Body with subtag or numbered tag (ex. TDET\_FUNC\_01)
  + Contains specific signal names as they are in program and specification
  + Contains signal relationships or behaviors
    - All I/O signals should be covered
    - List involved I/O signals and its direction for each subtag body.
* Writing guidelines
  + The requirement should be starting with: “Signal X shall …” or “The module shall …”
  + Attempt creating as granular of requirement list as possible; no overly complex requirements
  + Requirements traceability
    - Every parent will have traceability to requirement and test procedures.
  + Following words are to be avoided to ensure non-ambiguity of the requirement:
    - may
    - or (exempt is the reference to a “logical OR” which shall be labeled as such)
  + Avoid parent-child requirement(Requirement being a subset of the other requirement)
    - Exempt are the note leaves(characterized by not including shall in its structure

Note: Consider test cases when writing requirements to ensure coverage.