**Requirement Standards Version 2**

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*Requirement Standards*

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