MG Checklist

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November 3, 2026

- Follows writing checklist (full checklist provided in a separate document)
  - ☐ LaTeX points
  - ☐ Structure
  - ☐ Spelling, grammar, attention to detail
  - ☐ Avoid low information content phrases
  - ☐ Writing style
  - ☐ Hyperlinks should be done properly (`\ref`)
- Module Decomposition
  - ☐ One module one secret (unless an explicit exception is made, with a good reason) - all "and"s should be checked.
  - ☐ The uses relation is a hierarchy.
  - ☐ Secrets are nouns (generally).
  - ☐ Traceability matrix between modules and requirements shows every requirement is satisfied by at least on module
  - ☐ Traceability matrix between modules and requirements shows that every module is used to satisfy at least one requirement
  - ☐ Traceability matrix between likely changes and modules shows a one to one mapping, or, if this is not the case, explains the exceptions to this rule.
  - ☐ Level 1 of the decomposition by secrets shows: Hardware-Hiding, Behaviour-Hiding and Software Decision Hiding.

- ☐ Behaviour-Hiding modules are related to the requirements
- ☐ Software-Decision hiding modules are concepts that need to be introduced, but are not detailed in the requirements
- ☐ Each Software Decision Hiding module is used by at least one Behaviour-Hiding Module (if this isn't the case, an explanation should be provided)
- ☐ Uses relation is not confused with a data flow chart. If you can imagine an "import B" statement in the code for module A, then module A uses module B.
- ☐ The arrow in the uses relation points from module A to module B when module A uses module B
- ☐ Anticipated changes are a superset of the likely changes in the SRS
- ☐ If there is a "control" module, it should be at the top of the hierarchy
- ☐ Ideally the uses relation is drawn with all uses arrows pointing down, with clear layers for the hierarchy

- MG quality
  - ☐ Follow template
  - ☐ Low coupling
  - ☐ Satisfies information hiding
  - ☐ Figures can be zoomed in on (pdf better than bitmap for zooming)