TDL #63 D2.1 – Significant digits.

Comment #80 D2.2

Addressing the significant digits for the numbers/equations/constant in the standard and try to be satisfied with 3 significant digits unless it violates the accuracy required for equations result and not cause system over design.

Note:

1. This action item will be addressed after finalizing all values of equation constants and values in the tables and
2. When it will be clear what are required per IEEE rules to address this issue.

Discussion:
Lennart response based on his understanding this issue + IEEE style guide rules.

1. The style guide says "Only as many significant digits should be used as the precision of data justifies." In other words, we are not tied by 3 significant figures. Clause 33 earlier tried to standardize on 3 digits, but we are certainly not bound by that.

2. This whole issue started by a commenter taking issue with adding zeroes (eg. 3.450 instead of 3.45). This has NOTHING to do with precision or significance, but rather was done for aesthetic reasons. This comment is still unresolved.

3. The style guide also says: All numbers should be aligned at the decimal point.

At this point, I see only one feasible resolution:

- Remove trailing or leading zeroes throughout the draft.

Group decision:

1. Use sig digits as much as we need
2. Remove trailing zeros