



doc: This folder is used to contain the documentation of the verification project, for example, this document and all of its drawings shall be stored within this folder in both editable and pdf format.

verif: This folder contains among other things, all of the codes, packages and compilation-required files.

rtl: Within this folder, all the rtl files shall be stored.

env: This folder is used to store the environment and all their child components code files, if the verification infrastructure consists of more than one environment, then, a sub-folder shall be created for every sub environment. Each environment (whether top or not) shall contain a package, where all of the packages of its child agents and/or sub-environments shall be imported.

defines: This folder contains the file/files for configuring the parameters of the verification infrastructure, for example, these files can be used to create **enum** data types, and the creation of macros using ``define` macro.

work: This folder is mainly used to contain the Makefile, list.f, and to store all of the files generated by the compilation.

intf: This folder contains the SystemVerilog files where the interfaces are implemented, it is a good practice to create a file for each interface.

refmodel: This folder is used to store all of the files for creating the reference model. If the reference model is quite complex, it is a good idea to create a package for all of its files.

test: Within this folder, all of the files that implements the base and every specific test class shall be stored. The test folder shall contain a test package, where all the tests (including base and specific tests) classes files shall be included, also, the package(s) of the top environment(s) shall be imported.

tb: This folder is used to contain the file with the testbench module.

seq: This folder is used to store the sequences code files, if the verification infrastructure requires more than one type of sequences, then, a sub-folder shall be created for every sub sequence type. This folder shall contain a package, which shall import all the lower hierarchy sequence packages, in a similar manner than environment folders.