

# Rules for adding a new component in the SoCLib library

To introduce a new IP core component in the SoCLib library, the 3 following conditions must be satisfied.

## 1) Write a documentation page

- The page is to create [here](#)
- The functional description should be brief, with a figure if possible.
- The simulation model availability should be indicated (CABA, TLM-T, or both)
- A pointer on an existing synthesizable RTL model should be given.

## 2) Build an evaluation platform

- The simulation platform must instantiate the new hardware component
- The simulation platform must instantiate at least one VCI compliant interconnect and some others qualified SoCLib components in order to demonstrate the interoperability.

## 3) Provide all necessary files

- The source files to describe the IP core : ( *.h* and *.cpp* files) must be uploaded in the SVN repository.
- When applicable, the metadata files related to the new component such as the *.sd* (see SoclibDesc) file or the SPIRIT files should be uploaded.