

## Versioning, project and branch names.

### 1. Versioning.

- a) The version can be any string, but recommended version format is following: (start\_date)[xxxx]  
start\_date - is the date when new branch or project is started.  
xxxx - additional string if needed.

- b) The revision will be generated automatically and appended to version name. The revision is date, and hash of current application Git commit.

*Remark: If some of Git repositories, that application is using, contains modified Git, then hash number will be replaced by 'time\_DEV' string (time – compilation time) and file name will have 'rDEV' for revision.*

Example: The project name is 'foo' and the new branch was started on 2000/01/25.

Then recommended version is: 2000.01.25 (optional string can be added: 2000.01.25\_test)

Then full generated version will be: foo\_v2000.01.25r2012.03.17\_a1bfd423

'r2012.03.17' means that project was compiled on 2012.03.17 .

'a1bfd423' means that current Git hash starts with a1bfd423 **and all Git repositories are checked in.**

### 2. Project and branch name.

- a) Project name located in .config file in variable CONFIG\_PROJECT\_NAME.

For example: CONFIG\_PROJECT\_NAME="foo"

**Project must have unique name.** Build system will scan all .config files in uCProject folder to verify that name is unique and no other project has the same name.

- b) Application branch name in application Git must have following pattern: (project\_name)\_v[version].  
For example: foo\_v2000.01.25 (or foo\_v2000.01.25\_test)

- c) Current branch in common\_public Git should be the same name as branch in application Git.  
The branch in common\_public should be created or switched only manually. The reason for this is additional verification that user is intending to compile this specific project. Switching of branch and compiling of wrong project may be very expensive (in developer time perspective). Branches in all other Git repositories will be switched and created automatically.

- d) If one of above conditions does not meet, the build process will stop and hint will be given to user about steps to proceed.

- e) Steps for creating new project based on existing one:

1. Change CONFIG\_PROJECT\_NAME in .config
2. Create new branch, in application Git, based on new project name and new version name. Switch to it.
3. Create new branch in common\_public with the same name as application branch and switch to it.