# Code Review

1. Validates names follow coding standard
2. Validate formatting, indentation (IAR Setting)
3. Validate that all functions are separated by a comment line
4. Validate that all tests are property named test\_FunctionName\_FunctionParameters\_Success/Fail()
5. Variables name are self-explanatory.
6. Structure and enum are not named.
7. Structure do not have a pointer type defined.
8. All the tests are passing.
9. Make sure all comments lines are relevant.
10. Code is readable and easy to follow.
11. Are changes easy to be made.
12. Is the code well tested?
13. Do all calculations have a source that is in the repository.
14. Not finding a bug is a correct review.
15. No magic Number.
16. All functions are doing a single thing.
17. As a reviewer, you should understand the code.
18. Global variables are only used as a last resort.
19. No empty field in Doxygen comments
20. Do not review more than 60 minutes.
21. Do not review over 400 lines of code at a time.
22. Positive feedback
23. No feedback more then 500 line of code per hour.
24. Minimum break of 20 minutes between code review session

# References:

<https://smartbear.com/learn/code-review/best-practices-for-peer-code-review/>