Many items were taken from here and here.

Code \square Are CI builds passing? If no, why? \square Is the code easily understood? □ Does the code work? Does it perform its intended function, the logic is correct, etc? \square Does the error handling work? \square Is memory usage acceptable, even with large inputs? \square Is code covered by functional or unit tests? ☐ Are error paths covered by functional or unit tests? All errors which are relatively easy to check must be checked: error conditions like "open() failed after stat() was successfull" or "array size greater then INT MAX" may be ignored for being just as unlikely as uneasy to test, but otherwise having bugs in code which does error handling is way too common to be ignored. ☐ For new code, are unit tests written where needed? ☐ Are invalid parameter values handled where needed? ☐ Can any global/static variables be replaced? ☐ Are variables/functions named intuitively? \square Can any function attributes be used? ☐ Is there any redundant or duplicate code? \square Is the code modular enough? ☐ Can any of the code be replaced with library functions? \square Do loops have a set length and correct termination conditions? \square Can any logging or debugging code be removed? \square Are there any unneeded assert statements? \square Does the code conform to the style guide? □ Optimization that makes code harder to read should only be implemented if a profiler or other tool has indicated that the routine stands to gain from optimization. These kinds of optimizations should be well-documented and code that performs the same task simply should be preserved somewhere. ☐ Are return values being checked? \square Are there any use after frees? ☐ Are there any resource leaks? Memory leaks, unclosed sockets, etc. \square Are there any null pointer dereferences? ☐ Are any uninitialized variables used? ☐ Are there any cases of possible arithmetic overflow?

Documentation

 \square Are there any superfluous comments?

	Where needed, do comments exist and describe the intent of the code?
	Are any comments made outdated by the new code?
	Is any unusual behavior or edge-case handling described?
	Are complex algorithms explained and justified?
	Is code that depends on non-obvious behavior in external libraries docu-
	mented with reference to external documentation?
	Is the use and function of API functions documented?
	Are data structures/typedefs explained?
П	Is there any incomplete code e.g. code marked TODO FIXME or XXX?