

Code Review Check list

Reviewer: Arne Sven Stühlmeyer

Use Case: #49

Description	Comment	check
Structure		
Does the solution only cover the modules task?		X
Is the code well-structured, consistent in style and consistently formatted?		X
Is there unreachable code?		X
Are there any leftover stubs or test routines?		X
Is there any redundant code?	Tcpheadercovertchannel.cpp:31 & :37 unnecessary push_back in case of m_remaining_packets == 1 (leads to a clear())	
Are any modules excessively complex?		X
Documentation		
Are the comments consistent?		X
Are the comments sufficient and understandable?		X
Variables and Methods		
Are all variables/methods properly defined with meaningful, consistent names?		X
Are there any redundant or unused variables/methods?		X
Loops and Branches		
Are all cases covered in IF-blocks?		X
Are logical structures nested correctly?	Tcpheadercovertchannel.cpp:30 unnecessary else. Can be removed by adding "return;" to the if-case (looks cleaner for void return types)	X
Are loop termination conditions achievable?		X
Are indexes properly initialized?		X
Defensive Programming		
Are indexes and pointers tested against array bounds?		X
Are imported data and input arguments tested for validity and completeness?		X
Are all output variables assigned?		X
Is every memory allocation deallocated?		X

Code Conventions		
Are the Code Conventions fulfilled?	“vector<bitset<3>>” → “vector<bitset<3> >” (add spaces) a.s. to prevent compilation problems on unix.	