

# Code Review Check list

Date: 17.03.2014

Reviewer: Martin Oehler

Use Case: #74 Implement the Covert Channel Interface (length channel)

Description	Comment	check
<b>Structure</b>		
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?		X
Are any modules excessively complex?		X
<b>Documentation</b>		
Are the comments consistent?		X
Are the comments sufficient and understandable?		X
<b>Variables and Methods</b>		
Are all variables/methods properly defined with meaningful, consistent names?		X
Are there any redundant or unused variables/methods?		X
<b>Loops and Branches</b>		
Are all cases covered in IF-blocks?		X
Are logical structures nested correctly?		X
Are loop termination conditions achievable?		X
Are indexes properly initialized?	change 'int' to 'unsigned int' in for-loops that check for the size of a vector	X
<b>Defensive Programming</b>		
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
<b>Code Conventions</b>		
Are the Code Conventions fulfilled?	variables are lower case, words are seperated by an underscore; change: m_getPacket, m_packetLengths,	

	m_packetCount, m_baseLength, packetLengths, udpPacket	
Do the tests have statement coverage?		X