

Date: 18.01.14

Code Review Check list

Reviewer: Simon Kadel

Use Case: #17

Description	Comment	check
Structure		
Does the solution only cover the modules task?		X
Is the code well-structured, consistent in style and consistently formatted?	Zugriff auf vector einheitlich machen, entweder [] oder .at()	
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?	Methode oneComplement() unnötig, vector(bool).flip() benutzen invertVector() durch std::reverse(v1.begin(), v1.end()); ersetzen zum kopieren, z.B. in dataOffset(), statt Schleifen assign() bzw insert() mit Iterator benutzen	
Documentation		
Are the comments consistent?	An Code Conventions anpassen, claculateChecksum, one ComplementAdd kommentieren	(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?		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?	InOptions prüfen setData(), setOptions(), setPacket() Länge von val überprüfen	
Are all output variables assigned?		X
Is every memory allocation deallocated?		X
Code Conventions		
Are the Code Conventions fulfilled?	Einrückung, Kommentare überprüfen bitte nochmal durchgehen	