References: [1] Advanced Architecture for Protocol Engineering Guidelines Revision 1.0

Code compiled using compiler	gcc	11.3.0	
Compilation flags used	No		
Does code compiles, without any error and warnings. If there are warnings, please mention those warnings. It is preferred that code is compiled with Insure also.(Optional)	have a small similarity in their last letters di		
Readiness Index		-100.00%	

	Guidelines Checkpoints Naming Conventions Checkpoints					
0.	Checkpoints	Yes/No/NA (Originator)	Comments (Originator)	Yes/No/NA (Reviewer		
1	Are all files named according to Guidelines followed? According to AAPE, All files should have a name in the format name sep> <ext>, where, name; alphanumeric characters up to eight characters in length, <sep>: is a period, <ext>: is an alphanumeric extension of up to three characters in length. All characters shall be in lowercase. The name field of the file should be split to represent the stack entity of the protocol suite and the module. If any characters are left and if multiple files are within a directory, the remaining length of the name can be used to identify the files. For example, a file of the Control protocol suite (of V5) belonging to the FSM module of ISDN-BA shall be named as: ctfsmib.c. ct: Control Protocol, fsm: FSM Module, i: ISDN, b: BA. Files that are common across protocols in a protocol suite shall bear the protocol suite prefix in their names. For example, v5global.h is a file common to all V5 protocols containing olobally declared and accessible symbols and definitions.</ext></sep></ext>	Yes				
2	Are all symbol names follow the guidelines? According to AAPE, All symbols should be 32 characters or lesser in length. Underscore should be used to improve readability. Do not use case intermixing. Abbreviations should be consistent across the code.	Yes				
3	Are all functions named according to guidelines followed? According to AAPE, All function names shall have a prefix that gives the stack entity name code and the module name code. It shall be of the following form:	Yes				
4	Are all variables named according to guidelines followed? According to AAPE, All global variables should be prefixed with a unique prefix. This prefix represents the stack entity. All static variables should be prefixed with a unique prefix. This prefix represents the stack entity and module. All pointer variables should be prefixed with p A global (static) variable that is a pointer shall be prefixed with p_ <x>_, where, <x> is the stack (module) prefix.</x></x>	Yes				
5	Are all constants, literals, enumerations, MACRO names are in Uppercase?	Yes				
	Coding Style Checkpoints					
	File Organiza Checkpoints	Yes/No/NA	Comments (Originator)	Yes/No/N		
). 1	Does each header file contain provisions to counter erroneous multiple inclusions? For example, included files may include other files. To avoid multiple inclusions, protections are added to detect an already loaded include file. #ifndef SAMPLE #define SAMPLE #endif	(Originator) NA		(Reviwer		
2	Do all files have proper and complete file headers according to guidelines followed?	Yes				

	Code Commenting 8	Indentation		
3	Is it ensured that any commented out source code is removed and no #if n source	Yes		Τ
4	code (n is any number) is present? Is there any hack /offensive code? If yes, is it commented appropriately with proper	No		
4	justification or not?	NO		
	Do the comments correspond completely to the code and comments are present for all complex legs of the code. Comments in block format should precede the			
5	statement/ group of statements.			
	Block – end comment is given for every block where there are more than 10			
	statements.(Refer Coding guideline for change) Are all global variables declared in a module bear the comment explaining the			
6	intent, functionality and modified by module description?			
	Is the code indentation consistent across all files? Also, Comment style used should			
	be same. All horizontal lines of code shold be within limit of 80 characters. Each line of source code has only one statement. If an expression is split in the code to			
7	the next line, it is always split before a unary operator and after a binary operator. In	Yes		
	case of modification of an already existing source file, same convention need to follow. If changes are required, it should be applicable for the source file as a whole.			
	notion. If changes are required, it should be applicable for the source file as a whole.			
	Function	S	I	
	Do all functions have complete and up to date Function Headers? According to AAPE, every global C function should have a header with function description.			
8	Groups of short, nearly identical static functions may be gathered under a single	Yes		
	header. For more details refer appendix C.2 of AAPE.			
9	Is the size of more than 80% (preferably all) functions in the file reviewed less than 200 lines. If no, the code needs to be made more modular.	Yes		
	Code Featu	ires	i I	
10	Are all global variable explicitly initialized? Preferably global variables should be minimized to make code MT-safe.	Yes		
11	Is enough preference given to static variables in different files? Similarly functions	No		
	used within the same files should explicitly be defined as static. Is the code free from magic numbers (hardcoding)? Only, "0 and 1" are allowed to			
12	be used directly in the code. Common usage of return values like SUCCESS and	Yes		
	FAILURE should be 0 and 1 respectively.			
13	Is it ensured that all variables are initialized explicitly before using the value carried by them?	Yes		
14	Is there any fall through statement in switch? If yes is it commented?	NA		
15	Do all if-else statement follow fully-bracketed syntax? Is it ensured that there are no floating numerical constants? Or if exist then comment	Yes		
16	is provided with justification.	NA		
17	Pointers (or references) have been used as function parameters wherever structures	Yes		
18	or arrays are required to be passed to the function. Is code free from local variable definitions of large sized array and structures?	Yes		
19	Is NULL used for pointers, 0 for integers and '\0' for strings?	Yes		
20	MACROs are defined with parenthesis enclosing the replacement text. MACROs definition doesn't end with a semicolon. If multiple replacement statements, the	No		
20	definition is enclosed by curly-braces.	INO		
21	Does code have deterministic memory needs? Has developer estimated and	NA		
-	mentioned the memory requirements in his code? Every system and library call (like calls to acquire memory, IPC etc) is checked for	.,		
22	return values.	Yes		
23	Basic data types of C shall not be used directly within the code. Instead a layer of types should be introduced based on the sign and length of the basic data type	NA		
20	required.	147.		
_	Other Checks	oints		
	Programming Ch			
S.		Yes/No/NA	I	Yes/No/NA
No.	Checkpoints	(Originator)	Comments (Originator)	(Reviwer)
1	Are the conditional loops working correctly for the boundary conditions? (both	Yes		
2	underflow/overflow shall be checked) Is code consistent with API document also? (If applicable)	NA		
3	Are all possible messages / events handled in all states? (specially the error	Yes		
4	conditions/messages) Are all data structures chosen for optimum speed/memory behavior?	Yes		1
5	Are the Identified corner cases, validating the boundary conditions?	Yes		
	Quality Check	points		
S.	Checkpoints	Yes/No/NA	Comments (Originator)	Yes/No/NA
No.	Is the tracability matrix updated for this piece of code? If yes, provide the path also.	(Originator)	Comments (Originator)	(Reviwer)
1	is the tracability matrix updated for this piece of code? If yes, provide the path also.	No		
	Healtha undeted DTM hear part stars with same a 1 () () () (DTM)	V		
2	Has the updated RTM been sent along with source code for review? (RTM should also be a part of the deliverable for review)	Yes		
3	Is any tool used to do the static checking? (For example splint) If yes, provide the	NA		
4	result also. Is insure/purify used?	No	Valgrind is used instead	No
	по помогранту моси:	110	I vargima is asea mstead	110