CoFI-based software requirements checklist - TC Verification Service

TVSS = Telecommand Verification Service Specification

Start time	Finish time
0:00	0:00
0:00	0:00
0:00	0:00
0:00	0:00
0:00	0:00

Questions Normal Behaviour	App.	Ans	Observations
1) Does the TVSS state that this service shall send the TCs received from the ground to its destination application process after its checking?	1	0	
2) Does the TVSS define the situations in which this service shall send the verified TC to its destination application process and shall not send it?	1	0	
3) Does the TVSS state that this service shall send a report of successful acceptance to the ground station if this is requested through the first bit of the ack flag after the confirmation of acceptance by the destination application process?	1	0	
4) Does the TVSS state that the confirmation of acceptance of the TC sent by the destination application process to this service shall be different from the other confirmations sent by it?	1	0	
5) Does the TVSS state that the start execution of the TC shall occur after the acceptance confirmation by the destination application process?	1	0	
6) Does the TVSS state that this service shall send a report of sucessful start of TC execution to the ground station if this is requested through the second bit of the ack flag after the confirmation of starting?	1	0	
7) Does the TVSS state that the confirmation of starting of execution of the TC sent by the destination application process to this service shall be different from the other confirmations sent by it?	1	0	
8) Does the TVSS state how the number of steps of the TC execution progress shall be informed by the destination application process to the TC verification service?	1	0	
9) Does the TVSS state that this service shall send a report of sucessful progress of TC execution of each step to the ground station if this is requested through the third bit of the ack flag after the confirmation of progress?	1	0	
10) Does the TVSS state that the confirmation of progress of execution of the TC sent by the destination application process to this service shall be different from the other confirmations sent by it?	1	0	
11) Does the TVSS state that the confirmation of progress of execution of the TC sent by the destination application process shall identify its step?	1	0	
12) Does the TVSS state that this service shall send a report of successful completion of TC execution to the ground station if this is requested through the fourth bit of the ack flag after the confirmation of the execution of the last step of TC execution progress?	1	0	

	App.	Ans	Observations
13) Does the TVSS state that the confirmation of completion of execution of the TC sent by the destination application process to this service shall be different from the other confirmations sent by it?	1	0	
Questions Specified Exceptions Behaviour	App.	Ans	Observations
14) Does the TVSS define the situations in which this service shall send the TC acceptance report of failure to the ground specifically duo to illegal APID?	1	0	
15) Does the TVSS define the situations in which this service shall send the TC acceptance report of failure to the ground specifically duo to wrong checksum?	1	0	
16) Does the TVSS define the situations in which this service shall send the TC acceptance report of failure to the ground specifically duo to illegal packet type?	1	0	
17) Does the TVSS define the situations in which this service shall send the TC acceptance report of failure to the ground specifically duo to illegal packet subtype?	1	0	
18) Does the TVSS define the situations in which this service shall send the TC acceptance report of failure to the ground specifically duo to illegal or inconsistent application data?	1	0	
19) If there are other types of failure that shall be handled by this service, does the TVSS describe them?	1	0	
20) Does the TVSS state that the not acceptance of the TC by the destination application process shall result in a TC acceptance report of failure?	1	0	
21) Does the TVSS state that this service shall generate a TC execution started report of failure after the destination application process confirms the failure of the TC execution starting?	1	0	
22) Does the TVSS state that this service shall generate a TC execution progress report of failure after the destination process application confirms the failure of the TC execution progressing?	1	0	
23) Does the TVSS state that this service shall generate a TC execution completed report of failure after the destination application process confirms the failure of the TC execution completion?	1	0	
Questions Sneak Paths Behaviour	App.	Ans	Observations
24) Does the TVSS define the answers that the destination application process can generate?	1	0	
25) Does the TVSS state the action of this service if any expected answer from the destination application process is not received?	1	0	
26) Does the TVSS define the action of this service if it receives a TC acceptance answer from the application process while the service verifies the TC packet fields?	1	0	
27) Does the TVSS define the action of this service if it receives a TC execution started answer from the application process while the service verifies the TC packet fields?	1	0	
28) Does the TVSS define the action of this service if it receives a TC execution progress answer from the application process while the service verifies the TC packet fields?	1	0	
29) Does the TVSS define the action of this service if it receives a TC execution completed answer from the application process while the service verifies the TC packet fields?	1	0	

30) Does the TVSS define the action of this service if it receives a TC execution started answer from the application process while the service waits for the TC acceptance answer?	1	0	
31) Does the TVSS define the action of this service if it receives a TC execution progress answer from the application process while the service waits for the TC acceptance answer?	1	0	
32) Does the TVSS define the action of this service if it receives a TC execution completed answer from the application process while the service waits for the TC acceptance answer?	1	0	
33) Does the TVSS define the action of this service if it receives a TC execution progress answer from the application process while the service waits for the TC execution started answer?	1	0	
34) Does the TVSS define the action of this service if it receives a TC execution completed answer from the application process while the service waits for the TC execution started answer?	1	0	
35) Does the TVSS define the action of this service if it receives a TC execution completed answer from the application process while the service waits for the TC execution progress answer?	1	0	