

# CoFI-based software requirements checklist - Scheduling Service

OOSSS = Onboard Operations Scheduling 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 OOSSS state that in the initialization of the OOSS, the command schedule shall be empty (with no telecommand)?	1	0	
2. Does the OOSSS state that in the initialization of the OOSS, the command schedule shall be disabled?	1	0	
3. Does the OOSSS state that when this service receives a telecommand packet from the TC Verification service to insert a TC in the command schedule and this packet is accepted, the OOSS shall send a confirmation to the TC Verification service of successful acceptance of the telecommand packet?	1	0	
4. Does the OOSSS state that when this service completes successfully the execution of a telecommand to insert a TC in the command schedule, the OOSS shall send a confirmation to the TC Verification service of successful completion of execution of this telecommand packet?	1	0	
5. Does the OOSSS state that when this service receives a telecommand packet from the TC Verification service to delete a TC from the command schedule and this packet is accepted, the OOSS shall send a confirmation to the TC Verification service of successful acceptance of the telecommand packet?	1	0	
6. Does the OOSSS state that when this service completes successfully the execution of a telecommand to delete a TC from the command schedule, the OOSS shall send a confirmation to the TC Verification service of successful completion of execution of this telecommand packet?	1	0	
7. Does the OOSSS state that when this service receives a telecommand packet from the TC Verification service to reset the command schedule and this packet is accepted, the OOSS shall send a confirmation to the TC Verification service of successful acceptance of the telecommand packet?	1	0	
8. Does the OOSSS state that when this service completes successfully the execution of a telecommand to reset the command schedule, the OOSS shall send a confirmation to the TC Verification service of successful completion of execution of this telecommand packet?	1	0	
9. Does the OOSSS state that when this service receives a telecommand packet from the TC Verification service to enable the command schedule and this packet is accepted, the OOSS shall send a confirmation to the TC Verification service of successful acceptance of the telecommand packet?	1	0	

10. Does the OOSSS state that when this service completes successfully the execution of a telecommand to enable the command schedule, the OOSS shall send a confirmation to the TC Verification service of successful completion of execution of this telecommand packet?	1	0	
11. Does the OOSSS state that when this service receives a telecommand packet from the TC Verification service to disable the command schedule and this packet is accepted, the OOSS shall send a confirmation to the TC Verification service of successful acceptance of the telecommand packet?	1	0	
12. Does the OOSSS state that when this service completes successfully the execution of a telecommand to disable the command schedule, the OOSS shall send a confirmation to the TC Verification service of successful completion of execution of this telecommand packet?	1	0	
13. Does the OOSSS state that when this service receives a telecommand packet from the TC Verification service to shift the release time of the telecommands in the command schedule and this packet is accepted, the OOSS shall send a confirmation to the TC Verification service of successful acceptance of the telecommand packet?	1	0	
14. Does the OOSSS state that when this service completes successfully the execution of a telecommand to shift the telecommands in the command schedule, the OOSS shall send a confirmation to the TC Verification service of successful completion of execution of this telecommand packet?	1	0	
<b>Questions Specified Exceptions Behaviour</b>	<b>App.</b>	<b>Ans</b>	<b>Observations</b>
15. Does the OOSSS state that when this service receives a telecommand packet to insert a telecommand in the command schedule with a wrong APID, the OOSS shall send a confirmation of failure of the acceptance of this telecommand packet to the TC Verification service?	1	0	
16. Does the OOSSS state that when this service receives a telecommand packet to insert a telecommand in the command schedule with the release time in the past, the OOSS shall send a confirmation of failure of the acceptance of this telecommand packet to the TC Verification service?	1	0	
17. Does the OOSSS state that when this service receives a telecommand packet to insert a telecommand in the command schedule when it is full, the OOSS shall send a confirmation of failure of the acceptance of this telecommand packet to the TC Verification service?	1	0	
18. Does the OOSSS state that when this service receives a telecommand packet to shift the release time of any telecommand in the command schedule to a time in the past, the OOSS shall send a confirmation of failure of the acceptance of this telecommand packet to the TC Verification service?	1	0	
19. Does the OOSSS state that when this service receives a telecommand packet to delete a telecommand from the command schedule when it is empty, the OOSS shall send a confirmation of failure of the acceptance of this telecommand packet to the TC Verification service?	1	0	
20. Does the OOSSS state that when this service receives a telecommand packet to delete an absent telecommand from the command schedule, the OOSS shall send a confirmation of failure of the acceptance of this telecommand packet to the TC Verification service?	1	0	
21. Does the OOSSS state that when any error occurs during the execution of any telecommand by this service, it shall send a confirmation of failure of completion of execution of this telecommand packet to the TC Verification service?	1	0	

Questions Sneak Paths Behaviour	App.	Ans	Observations
22. Does the OOSSS define the action of the OOSS if it receives a telecommand packet to shift the release time of any telecommand when the command schedule is empty?	1	0	
23. Does the OOSSS define the action of the OOSS if it receives a telecommand packet to reset the command scheduling when it is already reset?	1	0	