

Transition to Software Planning Checklist

Peer Review Version: T1.DO178C.Transition-to-Planning-Checklist.2023.R1

Checklist Name Transition to Software Planning

Document(s) Under Review:

Supporting Documents:

Reviewer Name:

Reviewer Role:

Notes:

											Review Date: <date>	Review Date: <date>	
#	Checklist Item (i.e., Question)	DO-178C or Other Guidance Reference	DAL				Supplements			Latest Review Compliance	Latest Review Remarks	Compliance	Review Remarks
			A	B	C	D	DO-331 (MB)	DO-332 (OO)	DO-333 (FM)	Y/N/NA	<add notes if there is something noteworthy about this review iteration>	Y/N/NA	<add notes if there is something noteworthy about this review iteration>
1	Has the certification basis from the regulator or customer been established?	2.0	X	X	X	X	X	X	X	0	0		
2	Have functional and operational system requirements been validated and allocated to the software item(s)?	2.1.a	X	X	X	X	X	X	X	0	0		
3	Have interface system requirements been validated and allocated to the software item(s)?	2.1.b	X	X	X	X	X	X	X	0	0		
4	Have performance system requirements been validated and allocated to the software item(s)?	2.1.c	X	X	X	X	X	X	X	0	0		
5	Have safety system requirements (including safety strategies, design constraints and design methods) been validated and allocated to the software item(s)?	2.1.d	X	X	X	X	X	X	X	0	0		
6	Have security system requirements been validated and allocated to the software item(s)?	2.1.e	X	X	X	X	X	X	X	0	0		
7	Have maintenance system requirements been validated and allocated to the software item(s)?	2.1.f	X	X	X	X	X	X	X	0	0		
8	Have certification requirements (including certification authority papers, issue papers, CRIs, etc.) been identified and provided to software planning?	2.1.g	X	X	X	X	X	X	X	0	0		
9	Have all additional requirements to aid the system life cycle processes been identified?	2.1.h	X	X	X	X	X	X	X	0	0		
10	Has the information flow between system and software life cycle processes been identified?	2.2	X	X	X	X	X	X	X	0	0		
11	Has the development assurance level (DAL) level, along with a description of applicable failure conditions, been identified for the software components?	2.2.1.c; 2.3	X	X	X	X	X	X	X	0	0		
12	Has the system description and hardware definition been identified?	2.2.1.d	X	X	X	X	X	X	X	0	0		
13	Have the details of any system activities proposed to be performed as part of the software life cycle been identified?	2.2.1.f	X	X	X	X	X	X	X	0	0		
14	Has a process for providing software data (including derived requirements and issues raised that may impact system requirements) to the systems process been identified?	2.2.1.g; 2.2.2	X	X	X	X	X	X	X	0	0		
15	Has the means to provide evidence of software verification activities performed by the system life cycle processes been identified?	2.2.1.h; 2.5.6	X	X	X	X	X	X	X	0	0		

16	If system processes provide a Specification or Design Model to the software processes, are the requirements for the model available as inputs to the software process?	MB.2.2.1	X	X	X	X	X			0	0		
17	If system processes provide a Specification or Design Model to the software processes, are the model configuration items available as inputs to the software process?	MB.2.2.1	X	X	X	X	X			0	0		
18	If system processes provide a Specification or Design Model to the software processes, are the model standards available as inputs to the software process?	MB.2.2.1	X	X	X		X			0	0		
19	If system processes provide a Specification or Design Model to the software processes, are the model element libraries available as inputs to the software process?	MB.2.2.1	X	X	X	X	X			0	0		
20	If system processes provide a Specification or Design Model to the software processes, are the model and system interface descriptions available as inputs to the software process?	MB.2.2.1	X	X	X	X	X			0	0		
21	If system processes provide a Specification or Design Model to the software processes, are the configuration indexes of model configuration items, modeling development environment, and user's manuals available as inputs to the software process?	MB.2.2.1	X	X	X	X	X			0	0		
22	If system processes provide a Specification or Design Model to the software processes, are the model standards and model element libraries coordinated between the systems and software development processes and under the appropriate control category based on software level?	MB.2.2.2	X	X	X	X	X			0	0		
23	Has a process for providing data between the software and hardware life cycle processes (including derived requirements, HW/SW integration, protocols, timing constraints, interface schemes and incompatibilities) been identified?	2.2.3	X	X	X	X	X	X	X	0	0		
24	Have architectural considerations to limit or detect failures of software (including partitioning, multiple version dissimilar software, and safety monitoring) been identified?	2.4	X	X	X	X	X	X	X	0	0		
25	Has a method for providing information on software parameter data items, which may impact system life cycle processes, been identified?	2.5.a	X	X	X	X	X	X	X	0	0		
26	Has a method for providing information on user-modifiable software, which may impact system life cycle processes, been identified?	2.5.b	X	X	X	X	X	X	X	0	0		
27	Has a method for providing information on Commercial-Off-The-Shelf (COTS) software, which may impact system life cycle processes, been identified?	2.5.c	X	X	X	X	X	X	X	0	0		
28	Has a method for providing information on option-selectable software, which may impact system life cycle processes, been identified?	2.5.d	X	X	X	X	X	X	X	0	0		
29	Has a method for providing information on field-loadable software, which may impact system life cycle processes, been identified?	2.5.e	X	X	X	X	X	X	X	0	0		

0	Total "Y"	0	Total "y"
0	Total "N"	0	Total "n"
0	Total "NA"	0	Total "na"
0	Total "O"	0	Total "o"
0	0	0	0