Software Transition from Requirements Checklist

			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 T2 (Transition from Planning) review been satisfactorily completed with all items passing? (If not, do not proceed with this review)	Best Practice	X	X	X	X	X	X	X	0	0		
2	Have high-level requirements been developed?	5.1.1.a; Table A-2.1	X	X	X	X	X	X	X	0	0		
3	Have derived high-level requirements been defined and provided to the System Safety Assessment Process?	5.1.1.b; Table A-2.2	X	X	X	X	X	X	X	0	0		
4	When a Specification Model expresses high-level requirements, are all model elements that do not represent software requirements and are not input to a subsequent development process or activity (e.g., a comment block) identified?	MB.5.1.1.c	X	X	X	X	X			0	0		
5	Do the high-level requirements comply with system requirements?	6.3.1.a; Table A-3.1			X	X	X	X	X	0	0		
6	Has it been independently verified that high-level requirements comply with system requirements?	6.3.1.a; Table A-3.1	X	X			X	X	X	0	0		
7	Are the high-level requirements accurate and consistent? (Are they also unambiguous, sufficiently detailed and not conflicting with each other?)	6.3.1.b; Table A-3.2			X	X	X	X	X	0	0		
8	Has it been independently verified that high-level requirements are accurate and consistent? (Are they also unambiguous, sufficiently detailed and not conflicting with each other?)	6.3.1.b; Table A-3.2	X	X			X	X	X	0	0		
9	Has the formal model been checked for consistency (i.e., the absence of conflicts)?	FM.6.3.1.b			X	X			X	0	0		
10	Has the formal model been independently checked for consistency (i.e., the absence of conflicts)?	FM.6.3.1.b	X	X					X	0	0		
11	Are high-level requirements compatible with the target computer? (Has it been ensured that no conflicts exist between the high-level requirements and the hardware/software features of the target computer, especially, system response times and input/output hardware?)	6.3.1.c; Table A-3.3	X	X			X	X	X	0	0		
12	Can each high-level requirement be verified?	6.3.1.d; Table A-3.4	X	X	X		X	X	X	0	0		
13	Do high-level requirements conform to standards? (Were deviations from the standards justified?)	6.3.1.e; Table A-3.5 5.1.2.e; Table A-2.1	X	X	X		X	X	X	0	0		

#	Question	Reference											
14	Do high-level requirements expressed as a model conform to Software Model Standards? (Were deviations from the standards justified?)	MB.6.3.1.e MB.5.1.2.e	X	X	X		X			0		0		
15	Does the Trace Data demonstrate a bi-directional associations between high-level requirements and system requirements allocated to software?	5.5.a; 6.3.1.f;; Table A-3.6	X	X	X	X	X	X	X	0		0		
16	Are algorithms accurate? Has algorithm behavior been verified (especially in the area of discontinuities)?	6.3.1.g; Table A-3.7			X		X	X	X	0		0		
17	Has it been independently verified that algorithms are accurate and their behavior is correct?	6.3.1.g; Table A-3.7	X	X			X	X	X	0		0		
18	Are formal analysis cases and procedures correct and all assumptions justified?	FM 6.3.6.a; FM 6.3.6.b; Table FM.A-3.FM8	X	X	X	X			X	0		0		
19	Are formal analysis results correct and discrepancies between actual and expected results explained?	FM.6.3.6.c; Table FM.A-3.FM9	X	X	X	X			X	0		0		
20	Is requirements formalization correct?	FM.6.3.i; Table FM.A-3.FM10	X	X	X	X			X	0		0		
21	Is the formal method correctly defined, justified and appropriate?	FM.6.2.1; Table FM.A-3.FM11	X	X	X	X			X	0		0		
22	Have requirements-related configuration items been identified?	7.2.1; Table A-8.1	X	X	X	X	X	X	X	0		0		
23	Have requirements-related baselines and traceability been established?	7.2.2; Table A-8.2	X	X	X	X	X	X	X	0		0		
24	Has problem reporting been established for requirements related items?	7.2.3; Table A-8.3	X	X	X	X	X	X	X	0		0		
25	Has change control been established for requirements related items?	7.2.4; Table A-8.3	X	X	X	X	X	X	X	0		0		
26	Has change review been established for requirements related items?	7.2.5; Table A-8.3	X	X	X	X	X	X	X	0		0		
27	Has configuration status accounting been established for requirements related items?	7.2.6; Table A-8.3	X	X	X	X	X	X	X	0		0		
28	Have the system functional and interface requirements that are allocated to software been analyzed for ambiguities, inconsistencies and undefined conditions?	5.1.2.a; Table A-2.1	X	X	X	X	X	X	X	0		0		
29	Have inputs to the software requirements process detected as inadequate or incorrect been reported as feedback to the input source processes for clarification correction?	5.1.2.b; Table A-2.1	X	X	X		X	X	X	0		0		
30	Has each system requirement that is allocated to software been specified in the high-level requirements?	5.1.2.c; Table A-2.1	X	X	X	X	X	X	X	0		0		
31	Have high-level requirements that address system requirements allocated to software to preclude system hazards been defined?	5.1.2.d; Table A-2.1	X	X	X	X	X	X	X	0		0		
32	Are the high-level requirements stated in quantitative terms with tolerances where applicable?	5.1.2.f; Table A-2.1	X	X	X	X	X	X	X	0		0		
33	Has it been assured that high-level requirements do NOT describe design or verification detail except for specified and justified design constraints?	5.1.2.g; Table A-2.1	X	X	X	X	X	X	X	0		0		
34	Have derived requirements and their reason for existence been defined?	5.1.2.h; Table A-2.2	X	X	X	X	X	X	X	0		0		
35	Do the high-level requirements describe how parameter data items (if planned) are used by the software (including structure, attributes and value of each element?	5.1.2.j; Table A-2.1	X	X	X	X	X	X	X	0		0		

36	Are all model elements categorized as per the Software Model Standards (i.e. model elements that represent high-level requirements including derived requirements and those elements that don't)?	MB.5.1.2.k; Table MB.C-2.1	X	X	X		X			0	0		
37	Are the high-level requirements detailed enough to enable development and verification of the Design Model?	MB.5.1.2.l; Table MB.C-2.1	X	X	X	X	X			0	0		
38	Do the high-level requirements provide a functional description of the software functionality?	MB.5.1.2.l; Table MB.C-2.1	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 "0"	0	Total "0"
0	0	0	0