

DO-178C/ED-12C Table A-5 Verification of Outputs of Software Design Process									
DO-178C/ED-12C (Core) Annex A				DO-333 Formal Methods (FM)		DO-331 Model Based (MB)		DO-332 Object Oriented (OO)	
Objective	Description	Objective Reference	Output/Data Reference	Objective Reference	Output/Data Reference	Objective Reference	Output/Data Reference	Objective Reference	Output/Data Reference
A-5 #1	Source Code complies with low-level requirements.	6.3.4.a, 6.3.4	11.14	FM.6.3.a, FM.6.3.4.a, FM.6.3.4	-	MB.6.3.4.a, MB.6.3.4	MB.11.14	OO.6.3.4.a, OO.6.3.4	OO.11.14
A-5 #2	Source Code complies with software architecture.	6.3.4.b, 6.3.4	11.14	FM.6.3.a, FM.6.3.4.b, FM.6.3.4	-	MB.6.3.4.b, MB.6.3.4	MB.11.14	OO.6.3.4.b, OO.6.3.4	OO.11.14
A-5 #3	Source Code is verifiable.	6.3.4.c, 6.3.4	11.14	FM.6.3.e, FM.6.3.4.c, FM.6.3.4	-	MB.6.3.4.c, MB.6.3.4	MB.11.14	OO.6.3.4.c, OO.6.3.4	OO.11.14
A-5 #4	Source Code conforms to standards.	6.3.4.d, 6.3.4	11.14	FM.6.3.f, FM.6.3.4.d, FM.6.3.4	-	MB.6.3.4.d, MB.6.3.4	MB.11.14	OO.6.3.4.d, OO.6.3.4	OO.11.14
A-5 #5	Source Code is traceable to low-level requirements.	6.3.4.e, 6.3.4	11.14	FM.6.3, FM.6.3.4.e, FM.6.3.4	-	MB.6.3.4.e, MB.6.3.4	MB.11.14	OO.6.3.4.e, OO.6.3.4	OO.11.14
A-5 #6	Source Code is accurate and consistent.	6.3.4.f, 6.3.4	11.14	FM.6.3.b, FM.6.3.c, FM.6.3.4.f, FM.6.3.4	-	MB.6.3.4.f, MB.6.3.4	MB.11.14	OO.6.3.4.f, OO.6.3.4	OO.11.14
A-5 #7	Output of software integration process is complete and correct.	6.3.5.a, 6.3.5	11.14	-	-	-	MB.11.14	-	OO.11.14
A-5 #8	Parameter Data Item File is correct and complete.	6.6.a, 6.6	11.13, 11.14	-	-	-	MB.11.13, MB.11.14	-	OO.11.14
A-5 #9	Verification of Parameter Data Item File is achieved.	6.6.b, 6.6	11.14	-	-	-	MB.11.14	-	OO.11.14
A-5 #FM10	Formal analysis cases and procedures are correct.			FM.6.3.6.a, FM.6.3.6.b, FM.6.3.6	-				
A-5 #FM11	Formal analysis results are correct and discrepancies explained.			FM.6.3.6.c, FM.6.3.6	-				
A-5 #FM12	Requirements formalization is correct.			FM.6.3.i	-				
A-5 #FM13	Formal method is correctly defined, justified, and appropriate.			FM.6.2.1, FM.6.2.1.a, FM.6.2.1.b, FM.6.2.1.c	-				