



**Hardware Design Plan (HDP)
Checklist**

Peer Review Version:
 Checklist Name
 Document(s) Under Review:
 Supporting Documents:
 Reviewer Name:
 Reviewer Role:
 Notes:

							Review Date: <date>	Review Date: <date>		
#	Checklist Item (i.e., Question)	DO-254 or Other Guidance Reference	DAL				Latest Review Compliance	Latest Review Remarks	Compliance	Review Remarks
			A	B	C	D	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	Does the HDP include the Hardware Design Life Cycle, referencing design policies and standards to be applied and processes and activities to be performed to achieve the objectives for the design assurance level?	10.1.2.1	X	X	X		0	0		
2	Does the HDP include a Hardware Product Description that identifies the hardware specifications to be achieved, alternative uses, planned service life, and upgrade considerations?	10.1.2.2	X	X	X		0	0		
3	Does the HDP include Hardware Design Methods for each life cycle phase of the hardware item (including a description of the requirements capture and specification methods, conceptual design methods, detailed design methods, synthesis techniques, implementation methods, and production transition methods)?	10.1.2.3	X	X	X		0	0		
4	If architectural mitigation has been considered but not finalized at the time this plan is written, does the HDP state how the decision will be carried into the design process?	10.1.2.3	X	X			0	0		
5	Does the HDP include the Hardware Design Environment, including a description of the design tools to be used?	10.1.2.4	X	X	X		0	0		
6	If the PHAC identified one or more CBAs with complex components or COTS, does the HDP incorporate the appropriate development planning information relative to the CBA?	AMC 20-152A CBA-1	X	X	X		0	0		
7	If the PHAC identified usage of COTS IP, does the HDP incorporate the appropriate development planning information relative to the COTS IP?	AMC 20-152A IP-1:7	X	X	X		0	0		
8	If the PHAC identified usage of COTS devices, does the HDP incorporate the appropriate development planning information relative to the COTS devices?	AMC 20-152A COTS-1:8	X	X	X		0	0		

9	If the PHAC identified usage of PDH, does the HDP incorporate the appropriate development planning information relative to the PDH?	AMC 20-152A CD-12	X	X	X		0	0		
10	Does the HDP include a description of the Hardware Item Data, including identification of hardware item design data to be produced or references to previously developed hardware item specifications, document and drawing numbers, and part numbers?	10.1.2.5	X	X	X		0	0		
11	Does the HDP include Other Hardware Considerations, such as a description of planned process technology options, use and assembly options, product packaging, and hardware mounting options?	10.1.2.6	X	X	X		0	0		
12	Has the HDP been subjected to appropriate change and configuration control (HC2)?	Table A-1	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