PDR Success/Exit Criteria Questions

from

Defense Acquisition Guidebook

1. Does the status of the technical effort and design indicate operational test and evaluation success (operationally effective and suitable)?
2. Can the preliminary design, as disclosed, satisfy the draft Capability Development Document?
3. Has the system allocated baseline been established and documented to enable detailed design to proceed with proper configuration management?
4. Are adequate processes and metrics in place for the program to succeed?
5. Have sustainment and human integration design factors been reviewed and included, where needed, in the overall system design?
6. Are the risks known and manageable for integrated testing and developmental and operational evaluation?
7. Is the program schedule executable (technical/cost risks)?
8. Is the program properly staffed?
9. Has the program's cost estimate been updated?
10. Is the program executable within the existing budget and with the approved system allocated baseline?
11. Is the preliminary system level design producible within the production budget?
12. Is the updated CARD consistent with the approved allocated baseline?
13. Have the majority of manufacturing processes been defined and characterized?
14. Are initial manufacturing approaches documented?
15. Have producibility assessments of key technologies been completed?
16. Has a production cost model been constructed?
17. Can the industrial base support production of development articles?
18. Have long-lead and key supply chain elements been identified?
19. Can the risks associated with ESOH hazards be mitigated to an acceptable risk level within the existing budget?

With the additional emphasis on PDR, the following exit questions should also be addressed for the system's software component:

1. Has the computer system and software architecture design been established, and have all Computer Software Configuration Items (CSCIs), Computer Software Components (CSCs), and Computer Software Units (CSUs) been defined?
2. Are Software Requirements Specifications and Interface Requirement Specifications, including verification plans, complete and baselined for all CSCs and do they satisfy the system/subsystem functional requirements?
3. Do the Interface Control Documents trace all software interface requirements to the CSCIs and CSUs?
4. Has the computer system and software design/development approach been confirmed through analyses, demonstrations, and prototyping in a relevant environment?
5. Has the preliminary software design been defined and documented?
6. Have software increments been defined and have capabilities been allocated to specific increments?
7. Have software trade studies addressing Commercial-off-the-shelf, reuse, and other software-related issues been completed?
8. Has the software development process been defined in a baselined Software Development Plan and is it reflected in the Integrated Master Plan (IMP) and Integrated Master Schedule (IMS)?
9. Do the software development schedules reflect contractor software processes and IMP/IMS software events for current and future development phases?
10. Have the software development environment and test/integration labs been established with sufficient fidelity and capacity?
11. Have unique software risks been identified/assessed and have mitigation plans been developed/implemented?
12. Have software metrics been defined and reporting process implemented, and are they being actively tracked and assessed?
13. Does the Test and Evaluation Master Plan address all CSCI plans, test facilities, and test plans, including testing required to support incremental approaches (e.g. regression tests)?
14. Is there a life-cycle sustainment plan and does it include software support requirements?
15. Have the software development estimates (i.e. size, effort (cost), and schedule) been updated?
16. Have all required software-related documents been baselined/delivered?