Alternative Systems Review

Questions

The following questions were taken from the Defense Acquisition Guidebook for preparation for an ASR.

1. Can the proposed materiel solution(s) satisfy the ICD, which may have been adjusted (in accordance with Joint Capabilities Integration and Development System procedures) for Cost As an Independent Variable?
2. Is the proposed materiel solution(s) sufficiently detailed and understood to enable entry into Technology Development with low technical risk?
3. Are the system software scope and complexity sufficiently understood and addressed in the planning for the Technology Development phase to enable an acceptable/manageable level of software technical risk?
4. Have the preliminary manufacturing processes and risks been identified for prototypes?
5. Are the risks for competitive prototyping and initial development (through to the allocated baseline) known and manageable?
6. Is the Technology Development work effort properly staffed?
7. Is the Technology Development work effort executable within the existing budget and schedule?
8. Has a preliminary system specification, consistent with technology maturity and the proposed program cost and schedule, been captured in the system technical baseline?
9. Have required investments for technology development, to mature design and manufacturing related technologies, been identified and funded?
10. Have initial producibility assessments of design concepts been completed?
11. Is the program schedule for the Technology Development Phase executable (technical/cost risks)?
12. Are the hazards sufficiently understood and addressed to achieve an acceptable/manageable level of ESOH risk in the Technology Development phase?