|  |  |
| --- | --- |
| **Program Name:** |  |
| **Release:** |  |
| **Date Prepared:** |  |

|  |  |  |
| --- | --- | --- |
| **#** | **The CDR success criteria include affirmative answers to the following questions:** | **Y / N / NA** |
|  | Does the status of the technical effort and design indicate operational test success (operationally suitable and effective)? |  |
|  |  | If **NO**, please explain: |  |
|  | Does the detailed design, as disclosed, satisfy the Capability Development Document or any available draft Capability Production Document? |  |
|  |  | If **NO**, please explain: |  |
|  | Do the baselined Interface Requirements Agreement (IRA), Design Document (DD), and Database Specification (DS) allow for proper configuration management of the entire range of software items (e.g., custom developed, Commercial-Off-The-Shelf (COTS), etc.)? |  |
|  |  | If **NO**, please explain: |  |
|  | Do the baselined IRA and DD allow for proper configuration management of the entire range of hardware items (e.g., custom fabricated, ready-to-use, etc.)? |  |
|  |  | If **NO**, please explain: |  |
|  | Has the detailed design satisfied Human Systems Integration (HSI) requirements? |  |
|  |  | If **NO**, please explain: |  |
|  | Are adequate processes and metrics in place for the program to succeed? |  |
|  |  | If **NO**, please explain: |  |
|  | Are the risks known and manageable for developmental testing and operational testing? |  |
|  |  | If **NO**, please explain: |  |
|  | Is the program schedule executable (technical/cost risks)? |  |
|  |  | If **NO**, please explain: |  |
|  | Is the program properly staffed? |  |
|  |  | If **NO**, please explain: |  |
|  | Is the program executable with the existing budget and the approved Functional Baseline (FBL) and Allocated Baseline (ABL)? |  |
|  |  | If **NO**, please explain: |  |
|  | Is the detailed design producible within the production budget? |  |
|  |  | If **NO**, please explain: |  |
|  | Is the updated CARD consistent with the approved FBL and ABL? |  |
|  |  | If **NO**, please explain: |  |
|  | Are Critical Application Items identified? |  |
|  |  | If **NO**, please explain: |  |
|  | Are Critical Safety Items identified? |  |
|  |  | If **NO**, please explain: |  |
|  | Does the updated cost estimate fit within the existing budget? |  |
|  |  | If **NO**, please explain: |  |
|  | Is the software functionality in the approved FBL and ABL consistent with the updated software metrics and resource-loaded schedule? |  |
|  |  | If **NO**, please explain: |  |
|  | Have key product characteristics having the most impact on system performance, assembly, cost reliability, or safety been identified? |  |
|  |  | If **NO**, please explain: |  |
|  | Have the critical manufacturing processes that impact the key characteristics been identified and their capability to meet design tolerances determined? |  |
|  |  | If **NO**, please explain: |  |
|  | Have process control plans been developed for critical manufacturing processes? |  |
|  |  | If **NO**, please explain: |  |
|  | Does the critical design follow the preliminary design? |  |
|  |  | If **NO**, please explain: |  |
|  | Does the design address explicit issues of the application as defined by the program manager that were too detailed to be clearly expressed in the preliminary design? |  |
|  |  | If **NO**, please explain: |  |
|  | Does the design adhere to standards? For example: |
|  | If the design is represented in a particular design language, does it follow the standard for that language? |  |
|  |  | If **NO**, please explain: |  |
|  | If some functions of the application are required to follow a particular standard such as: a communications standard or a data base standard, do the modules that implement those functions follow that standard? |  |
|  |  | If **NO**, please explain: |  |
|  | Does the traceability reflected in the critical design details conform to the traceability in the detailed design? |  |
|  |  | If **NO**, please explain: |  |
|  | Does the critical design provide confidence that the product resulting from the critical design will perform adequately (satisfy key performance parameters and interface with other applications) in the production environment? |  |
|  |  | If **NO**, please explain: |  |
|  | Are the functions and interfaces of the product components of the critical design well defined at the critical design level? |  |
|  |  | If **NO**, please explain: |  |
|  | Is the Life Cycle Sustainment Plan adequate and is it in conformance with the critical design? |  |
|  |  | If **NO**, please explain: |  |
|  | Are all of the requirements at the lowest levels represented in the critical design? |  |
|  |  | If **NO**, please explain: |  |
|  | Are the product component requirements at the lowest levels represented by the functions of the product components in the critical design? |  |
|  |  | If **NO**, please explain: |  |
|  | Have “To-Be” Department of Defense Architecture Framework (DoDAF) products accurately described the system (in terms of missions, concepts, organizations, roles/actors, operations, system/product functions/components, functional architecture, external interfaces, transactions flow, timing sequences, business rules, Key Performance Parameters (KPPs), data elements, technical standards, and technology) for the system design? |  |
|  |  | If **NO**, please explain: |  |
|  | Have “To-Be” DoDAF products adequately addressed design and design constraints for the system design (e.g., data and information for finalizing SV-10a, SV-10b, SV-10c, SvcV-10a, SvcV-10b, SvcV-10c, and DIV-3)? |  |
|  |  | If **NO**, please explain: |  |
| **Lessons Learned** |
|  |

|  |
| --- |
| **Areas for Improvement** |
|  |
| **Recommendations** |
|  |

Send Lessons Learned worksheets to the ASO when completed.

