

PROPOSAL REQUIREMENTS

Opportunity Outline for -
Development and Integration
Vehicle for
Applications (DIVA) [MOM
FA4]



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Description

The U.S. Nuclear Regulatory Commission (NRC) was created as an independent Agency by Congress in 1974 to enable the nation to safely use radioactive materials for beneficial civilian purposes while ensuring that people and the environment are protected. It regulates commercial nuclear power plants and other uses of nuclear materials, such as in nuclear medicine, through licensing, inspection, and enforcement of its requirements. The NRC's headquarters are in Rockville, Maryland, and there are a number of other offices around the United States.

The Nuclear Regulatory Commission has a requirement to procure continuous maintenance and operational Information Technology (IT) support services for current and future NRC automated computer systems. This acquisition will also provide modernization support services while replacing legacy technologies with secure, innovative, enterprise-wide IT solutions. This acquisition focuses on both enterprise and service level requirements for IT services. The modernization support services, and replacement of legacy technologies will help reduce maintenance and operation (M&O) costs while achieving the goals.

The objective of this acquisition for "Maintenance, Operation, and Modernization Support of U.S. Nuclear Regulatory Commission Application Systems and Environment" is to procure continuous maintenance and operational Information Technology (IT) support services for current and future NRC automated computer systems. This acquisition will also provide modernization support services while replacing legacy technologies with secure, innovative, enterprise-wide IT solutions. This acquisition focuses on both enterprise and service level requirements for IT services.

Requirements

Key requirements may include, but are not limited to:

- Providing maintenance support as described in Section C.4.2 above for identified modernized NRC application systems.
- Performing configuration management activities as part of all task orders under this acquisition in compliance with Appendix G.
- Use the IBM Rational tools and formal CM processes to manage stable baselines and changes requests.
- Performing maintenance actions using the current production baseline of the application system which is housed in Rational ClearCase or Rational Team Concert Versioned Object Base (VOBs).
- Work with FA3 contractor(s) and the FA1 contractor for any Rational tools used and ensure those tools, as directed in writing by the NRC PO, are integrated into the M&O processes.
- The NRC PO or designee shall notify the contractor of maintenance requests using the Rational ClearQuest or Rational Team Concert CR system and approve the CRs that will be included in each system release. The contractor shall follow the procedures and deliverables specified in Sections C.4.4.
- Updating all application system changes in the system and security documentation, including any changes that affect the security controls within the application system, prior to system deployment.
- Coordinate, through the NRC PO, with the NRC CSO and ICOD on changes relating to security controls.
- Implementing changes to application systems using only the specific vendor products defined in the application system baseline, unless authorization has received in writing from the NRC PO (i.e., if the application is coded in Java 1.5, only Java 1.5 will be used in the changes).
- Ensuring that the introduction of any new product to the application system is consistent with the authorized list of products (i.e., the TRM) approved by the NRC Environmental Change Control Board (ECCB) prior to implementation.
- Adhere to existing (or as modified by NRC) MOM Change Request Process as defined in Section C.5.2.

- Adhere to Documentation Support requirements. The NRC CCB will consist of a Parent CCB board and children CCB, which will be subordinate to the Parent CCB. Parent CCB will review documentation requirements in conjunction with segment architecture to determine documentation needs for legacy systems.
- Ensure open communication and appropriate information transfer with the NRC PO and other contractors during the period of performance of this acquisition.