

JUSTIFICATION FOR QUALIFICATION REQUIREMENTS

FAR 9.202(a) Policy and DoD 4120.24-M Defense Standardization Program, Policy and Procedures

RMSC: R (AFMCI 21-113, Contract Maintenance Program for Depot Maintenance Activity Group)

SECTION A: ITEM IDENTIFICATION

1. National Stock Number (NSN): 4920-01-508-0416, 4920-01-648-3863, 4920-01-508-0416
2. Part Number (P/N): 8379436P001, 8379436P003, 8379436P001
3. Noun: VIPER Memory Load Verifier Interface
4. Application: F-16 VIPER

SECTION B:

1. JUSTIFICATION FOR ESTABLISHING A QUALIFICATION REQUIREMENT

- a. *Criticality:* Repair/overhaul of this VIPER Memory Load Verifier Interface requires engineering source approval by the engineering support activity 416 SCMS in order to maintain the quality of the part. Failure to procure this VIPER Memory Load Verifier Interface from a fully qualified repair source can result in structural or functional deficiencies that will degrade the mission capability of the F-16 VIPER and could cause loss of aircraft and/or crew.
- b. *Complexity, Repair Processes, and/or Material Considerations:* Inadequate control of characteristics associated with machining, repair, and processing of this VIPER Memory Load Verifier Interface can result in product structural or durability degradation. Close tolerance matching of components is required. Special care and attention is required for surface finish, assembly, and sealing of this VIPER Memory Load Verifier Interface to assure compliance with specified acceptance test requirements.
- c. *Form, Fit, Function, and Interface:* The qualification requirements specified herein are necessary to verify the structural and/or functional integrity and/or fit, form, and interface of the VIPER Memory Load Verifier Interface being procured.

2. REASON WHY QUALIFICATION REQUIREMENT MUST BE DEMONSTRATED PRIOR TO ANY CONTRACT AWARD

- a. Completion of the specified pre-contract award qualification requirements are necessary to assure the government that the offeror is capable of repairing the VIPER Memory Load Verifier Interface in compliance with the applicable technical specification/data within the schedule and economic constraints of our contracts. There are significant technical and schedule risks which can only be minimized by a completion of the requirements prior to contract award.
- b. *Qualification Requirement Cost Estimate:* Estimated likely costs for testing and evaluation, which will be incurred by the potential offering party to become qualified are \$1500.
- c. *Qualification Time Completion Estimate:* It is the estimate of the engineering support activity that completion of this qualification effort should require 180 days. This is based on complexity of the VIPER Memory Load Verifier Interface and other factors.

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SECTION D: SIGNATURES

X

416 SCMS/GUEAA Engineer
Engineer Support Activity (ESA)

X

416 SCMS/GUEAA Lead Engineer
Engineer Support Activity (ESA)

X

Chief of Contracting Office (COCO)

For Internal Government Use Only

REPAIR QUALIFICATION REQUIREMENTS

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Qualification Requirement Cost Estimate

Estimate the likely cost for testing and evaluation which will be incurred by the potential offeror to become qualified. This is a requirement of FAR 9.202(a)(1)(ii) and 10USC2319(b)(3) (The following categories may not apply in all cases. The product engineer should identify the costs applicable to the project and indicate N/A on all sections that do not apply.)	
Total cost is	\$1,500.00
Section A. Shipping , if required, use DD Form 1654, <i>Evaluation of Transportation Cost Factors</i> to develop the information. Refer any questions to the Procurement Contracting Officer for cost estimation.	50
Section B. Dimensional/Electronic Verification. Contact the science/engineering laboratory to obtain cost estimates (bids) for tests such as:	\$1,450.00
a. Chemical	
b. Metallurgical	\$ 0.00
(1) Destructive	
(2) Non-Destructive	
c. Dimensional	1450
d. Electronic	
e. Mechanical	
f. Non-Destructive Inspection	
Section C. Nuclear Hardness [This includes cost of shock, vibration, and Electro-Magnetic Pulse (EMP)]. Contact Systems Engineering Integration and Test Division for hourly rate.	
Section D. Form, Fit, Function and Interface. Contact your organizational Production Management Specialist (PMS) to obtain information on the same or similar item where work has been accomplished in the past using AFMC Form 206, Temporary Work Request .	
Section E. Original Equipment Manufacturer (OEM) Qualification Testing (If required)	\$ 0.00
a. Laboratory Costs (Costs are directly dependent on the type of testing to be accomplished and the location and duration of the testing. For example, landing gear laboratory testing is normally accomplished on a dynamometer and costs vary from \$25,000 to \$500,000 depending on the depth of testing. Aircraft and missile testing will vary as the requirement dictates and the cost will have to be identified by the source of testing).	
b. Flight/Data Reduction & Analysis Costs.	
Section F. Travel by Contractor to Test Site (if required)	\$ 0.00
a. Lodging	
b. Per Diem	
c. Rental Cars	
d. Incidentals (Verified)	
Section G. SAR Package Development/Evaluation Cost: A potential new source's development of a Source Approval (SAR) package may cost as much as:	
In addition, the cost incurred for Government evaluation of their SAR may be as much as:	
Evaluation cost may be born by the government if it is in the best interest of the Government to qualify alternate sources.	

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SECTION C:

1. QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE

- a. *Prequalification Notice:* The offeror shall notify the appropriate government Small Business Office or, if responding to a solicitation, the contracting officer in the appropriate government contracting office, of intent to qualify as a source for this VIPER Memory Load Verifier Interface.
- b. *Facilities, Testing, and Inspection Capabilities:* The offeror must certify to the government that they have, or have access to, the required facilities and equipment to repair, inspect, test, package, and store the item. The offeror shall make their facilities, equipment, tooling, and personnel available for evaluation and inspection by the government.
- c. *Data Verification:* The offeror must verify that they have a complete data package. This verification must include a complete list of all procedures, drawings, and specifications, including change notices, in the offeror's possession including, at a minimum BAE (94117) drawing. The offeror may also be required to produce copies of all applicable procedures, drawings, or specifications.
- d. *Repair Process Verification:* The offeror must repair this item to conform to the government requirements as prescribed within the ESA-approved engineering/technical data package. The offeror must show compliance with Unique Identification (UID) requirements in accordance with DFARS 211.274 as prescribed within the ESA-approved engineering/technical data package. The offeror must provide, at their own expense, data showing the results of all quality, performance, and environmental evaluations conducted by the offeror to show compliance with the government requirements as prescribed by 416 SCMS. The offeror shall also identify its sources for materials and its standards for internally used processes. The offeror must also provide evidence in the form of a management process in which they will manage Critical Safety Items (CSIs) and all of the critical characteristics and critical safety processes.
- e. *Test and Evaluation and/or Verification:* The offeror, at their own expense, shall prepare and submit to 416 SCMS for their prior approval, a qualification test plan/procedure detailing how they intend to verify compliance with all performance, environmental, mechanical, and quality assurance requirements identified by Drawing 8379436P003 (94117) and associated drawings.
- f. *Qualification Article Verification:* The offeror must provide, at their own expense, a pre-contract award qualification article for evaluation by the government. This article must comply with all of the requirements of Drawing 8379436P003 (94117) and associated drawings.. This article shall be subjected to a form, fit, and function evaluation to demonstrate compatibility with the weapon system and to evaluate the repair capability of the offeror. Offerors will be notified whether or not their qualification article passed or failed the required qualification testing within 180 days of submitting a product for qualification testing. Note that successful completion of the qualification testing does not guarantee any contract award. If the offeror is

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deemed qualified and awarded the contract, a post-contract award first article exhibit may be required to verify production capability.

- g. *Qualification Requirement Cost Estimate:* Estimated likely costs for testing and evaluation, which will be incurred by the potential offering party to become qualified are \$1500.
- h. *Qualification Time Completion Estimate:* It is the estimate of the engineering support activity that completion of this qualification effort should require 180 days. This is based on complexity of the VIPER Memory Load Verifier Interface and other factors.
- i. *Qualification Time Limitation:* An offeror may not be denied the opportunity to submit and have considered an offer for a contract if the offeror can demonstrate to the satisfaction of the contracting officer that the offeror (or its product) meets these standards for qualification or can meet them before the date specified for award of the contract. The award will not be delayed to provide the vendor with an opportunity to demonstrate its ability to meet the standards specified in this qualification requirement.
- j. *Evaluation of Proposals Not Previously Qualified:* The offeror must be fully qualified in order to be eligible for a contract award. Therefore, the offeror must fulfill all of the requirements stated, in writing, in the qualification requirement before the date specified for award of the contract. Once all requirements are met, the offeror will be listed as an approved repair source for this item. Approval, however, does not guarantee subsequent contract award.

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2. SOURCE QUALIFICATION WAIVER REQUIREMENTS

Sources who meet any of the following Source Qualification Waiver Criteria (QWC) may apply for a waiver of all or part of the qualification requirements. If a waiver is granted and the offeror is awarded a contract, the offeror may still be required to provide a post-contract award first article exhibit to verify production capability:

- a. *QWC1:* The potential source submits written certification that the articles have been supplied to the government or original equipment manufacturer (e.g., DD Form 250, Material Inspection and Receiving Report, Purchase Order invoice, etc).
- b. *QWC2:* The potential source is qualified on the right-hand article and requests to be qualified on the left-hand article. If the right-and left-hand articles are mirror images of each other, then approval can generally be given.
- c. *QWC3:* A source qualified to provide an assembly is usually qualified to provide subassemblies, major components, and items of that assembly.
- d. *QWC4:* A source qualified to provide earlier dash numbers of a basic P/N may be qualified to provide other dash numbers of that same basic P/N, provided there is no increase in complexity, criticality, or other relevant requirements.
- e. *QWC5:* A source qualified to provide a similar or like item can be qualified to provide the required item. However, for approval, the engineering authority must verify that there is no increase in complexity, criticality, or other requirements over that of the similar item. At a minimum, the source shall provide a complete set of drawings for the similar item and written proof, such as purchase orders, shipping documents, etc., to show that the similar item was provided to the original equipment manufacturer or DoD.
- f. *QWC6:* A source previously qualified to provide an item, but which has been purchased, sold, merged, absorbed, reformed, split, etc., may qualify if it can be established that the qualification is currently with the requester and that the requester has the same or equivalent facilities, tooling, equipment, personnel, and utilizes the original forging, castings, etc., in the repair process.