

**Brand Name/Sole Source Justification under \$250K
PMD Number:**

Department: Code D34

Company Name/Brand: Amptec Research Corporation

Description of Product, Supplies or Services required to meet the agency's needs:

The Amptec Explosive Safety Tester Model 620VL is required for use within [REDACTED] at Navy Intermediate Level Maintenance (IMA) Activities for testing "Live" [REDACTED] with active energetics and explosives as part of IMA Missile Processing before ship load-out.

Identification of Justification Rational:

- ☒ The Material or service must be compatible will aspects (Form, Fit, and Function) with existing systems presently installed.
- ☒ A patent, copyright, proprietary data, or licensing agreement limits competition.
- ☒ These are "direct replacement(s)" parts/components for existing equipment.
- ☐ Urgency.

Identification of the Justification Rationale Explained:

Naval Surface Warfare Center Port Hueneme Division (NSWC PHD) currently requires an Explosive Safety Tester in order to conduct electrical testing of electrical explosive devices and energetics in [REDACTED]. Specifically, NSWC PHD requires the Explosive Safety Tester, Model 620VL which is part of the [REDACTED], and is supplied exclusively by Amptec Research Corporation. This model of Explosive Safety Tester has undergone extensive safety analysis by the Naval Ordnance Safety and Security Activity (NOSHA) and Weapon Explosive System Safety Review Board (WESSRB) and has been approved for use in testing [REDACTED]. This product has been verified "Fail-Safe" by NOSHA to not exceed [REDACTED] weapon firing and explosive current and voltage safety limits. This is the only model of Explosive Safety Tester that is approved for use in the [REDACTED] for testing [REDACTED] at this time. WESSRB/NOSHA/NAVSEASYS COM has required that the Amptec Model 620VL Explosive Safety Tester be used in this test system. The Amptec Model 620VL Explosive Safety Testers will be used as a direct replacement to the same Amptec Model 620VL Explosive Safety Testers removed from Navy Intermediate Level Maintenance Activities [REDACTED] for repair/calibration.

Amptec Research Corporation is the designer of the Explosive Safety Tester, Model 620VL and holds proprietary rights to this product. It is the approved source for this item and provides product directly. There are no additional approved sources for this item or authorized 3rd party vendors.

Specific Characteristics of the Item or Service required that Limit the Availability to a Sole Source or Brand Name:

As stated, Amptec Research Explosive Safety Tester, Model 620VL is part of the [REDACTED], and is supplied exclusively by Amptec Research Corporation. Since this item has undergone extensive safety analysis and is the only approved product for use testing [REDACTED]

██████████, this is the only approved Explosive Safety Tester for use in the ██████████ system for testing ██████████ at this time. Furthermore, there are no additional approved sources for this item.

Since the Explosive Safety Tester is a critical component required for mission critical operations of the ██████████, a failure to obtain this exact model will result in a major re-design and impact the Government in monetary and man hour losses, and jeopardize the weapon availability, ship load-out commitments due to non-functional test equipment required for test before going shipboard. In other words, if NSWV PHD procured from a different source other than Amptec, NSWV PHD would be required to procure a different model of Explosive Safety Tester. The use of a different model would introduce a multitude of problems with System Safety, Hardware (HW) & Software (SW) Compatibility, Configuration Management, Documentation, supportability, and cause invalidated safety certification, and a potential impact to weapon availability due to non-functional test equipment.

Specifically, the use of a different model from a different source would cause an unacceptable delay of approximately 2 years in fulfilling the agency's requirements which would jeopardize weapon availability and ship load-out commitments due to non-functional test equipment required for test before going shipboard. This estimated delay is based on the fact that, before another source product could be utilized, it would need to undergo a complete Safety Review and obtain approval from Naval Ordnance Safety and Security Activity (NOSHA) and Weapon Explosive System Safety Review Board (WESSRB) for testing ██████████. Additionally, the ██████████ baseline would be impacted resulting in need for developing an Engineering Change Proposal or deviation baseline documenting impacts and identifying product as part of system baseline. In other words, the use of a different model would impact drawings, documents, technical procedures, personnel training, and calibration procedures. Additionally, the Explosive Safety Tester is a computer controlled device and, therefore, a new model would result in system software changes and deviations to current software baseline. System compatibility testing would result in additional cost and delay with no guarantee that product would meet testing requirements and be compatible with existing system.

Market Research Conducted:

Internet search Google of Equipment Manufacturers for igniter circuit testers. Review of products from Government Websites FEDMALL, GSAADVANTAGE, Onetouch, and Federal Supply Database Logquest. Amptec Research was the only manufacturer of the Amptec 620VL Explosive Safety Tester.

Statement of Actions, if any to Remove Barriers to Competition in the Future:

NSWC PHD Contracts Office will continue to conduct market research as warranted to provide a broader vendor base as applicable for the types of supplies/services covered by this document. If another potential source emerges, NSWV PHD will assess whether competition for future requirements is feasible.

Contracting Officer:

I certify that this justification is accurate and complete to the best of my knowledge and belief.

Contracting Officer Signature:

Gary F. Kramer, Code 0271 Phone No. 805-228-8807 Date

Legal Counsel:

I certify that this justification is accurate and complete to the best of my knowledge and belief.

Legal Office:

Phone No. Date