



DEPARTMENT OF THE NAVY
MID-ATLANTIC REGIONAL MAINTENANCE CENTER
CONTRACTS DEPARTMENT
9727 AVIONICS LOOP
NORFOLK, VA 23511-2325

ANNEX 1 – JUSTIFICATION AND APPROVAL FOR USE OF BRAND NAME

J&A No. N50054-26-127

Code 412

1. Contracting Activity.

The contracting activity is the Mid-Atlantic Regional Maintenance Center (MARMC), United States Navy (USN), Norfolk, Virginia, field activity of the Naval Sea System Command (NAVSEA), Washington, DC.

2. Description of the Action Being Approved.

This justification is for the award of a Firm Fixed Price Contract for procurement of long lead time material in support of upcoming USS ARLINGTON LPD-24 maintenance availability.

3. Description of Supplies/Services.

MARMC intends to procure the below supply and deliver of materials to support the upcoming availability for the USS ARLINGTON LPD-24 with the period performance of 01/31/2028 – 03/22/2029.

NOMENCLATURE	QTY	U/I
GASKET P/N 174-7792	20	EA
MOUNT ASSY P/N 180-1483	110	EA
BOLT 7X-0386	660	EA

Fiscal Year 2027 OPN funds of \$1,735,326.60 will cover this procurement.

4. Statutory Authority Permitting Other Than Full and Open Competition.

10 U.S.C. 3204(a)(1), as implemented by FAR 6.103-1(d), Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements — Application for Brand Name Descriptions.

5. Rationale Justifying Use of Cited Statutory Authority.

The required supply items are mission-critical components integral to the form, fit, and function of the ship's installed Caterpillar 3600-Series Ship's Service Diesel Generators (SSDG) aboard USS ARLINGTON (LPD-24). The SSDG system serves as the primary electrical backbone for

the vessel, powering combat weapons systems, radar suites, navigation apparatus, and vital propulsion auxiliaries. To maintain equipment interoperability, ensure structural safety, and preserve active system-level operational certifications, the Government strictly requires authentic Original Equipment Manufacturer (OEM) parts manufactured by Caterpillar Inc.

The SSDG machinery installation was engineered, dynamically analyzed, and shock-tested in accordance with Naval Sea Systems Command (NAVSEA) technical standards specifically utilizing Caterpillar OEM components. The Resilient Mount Assembly (P/N 180-1483) is precision-engineered with proprietary elastomeric dampening profiles, dynamic stiffness, and load-deflection characteristics calibrated to absorb the specific harmonic frequencies and reciprocating mass forces generated by the Caterpillar 3600-series engine block. Procuring non-OEM or third-party reverse-engineered mounting hardware introduces severe technical risk, as unauthorized variations in rubber durometer, bonding chemistry, or dynamic stiffness could cause severe mechanical resonance, accelerated structural fatigue of the ship's foundation deck, or catastrophic shearing during heavy sea states and high-load combat maneuvers.

Furthermore, the associated structural fasteners (P/N 7X-0386) and cooling system seals (P/N 174-7792) are manufactured to strict Caterpillar material tolerances and metallurgy. The 7X-0386 structural bolts are high-tensile fasteners specifically graded to endure the continuous multidirectional shear and tensile stresses transferred across the foundation flanges. The 174-7792 gaskets provide high-temperature fluid containment across jacket water manifolds to prevent thermal degradation and coolant loss. The governing Technical Manual (TCM S9311-D1-MMC-020) and NAVSEA work specifications mandate these specific OEM part numbers. The Government does not own the proprietary manufacturing drawings, material formulations, or dynamic test data required to develop an open "or equal" performance specification without jeopardizing system integrity.

Consequently, introducing non-OEM components into this certified machinery arrangement would constitute an unapproved system alteration, invalidating existing NAVSEA baseline shock, vibration, and safety certifications. The Government's technical cognizant authority has determined that only genuine Caterpillar brand components possess the certified mechanical properties necessary to guarantee shipboard safety, interoperability, and reliable operational readiness.

6. Description of Efforts Made to Solicit Offers from as Many Offerors as Practicable.

In accordance with FAR Part 10, comprehensive market research was conducted in August 28, 2026 to evaluate the commercial marketplace and identify capable sources for this procurement.

The comprehensive findings were formally documented in a Market Research Report approved by the Contracting Officer on August 28, 2026.

The market research confirmed that while technical necessity and system-level baseline certifications restrict the required items to genuine Caterpillar Inc. brand components, these parts are standard commercial off-the-shelf (COTS) items widely distributed across an established commercial supply chain. Market analysis identified seven (7) capable vendors, comprised of six (6) small businesses—including Service-Disabled Veteran-Owned Small Businesses (SDVOSBs) such as AANTILIA LLC and AVMAC LLC, as well as established defense parts distributors such as Kampi Components Co., Inc.—and one (1) other-than-small business Authorized Caterpillar Dealer, Carter Machinery Company, Inc. All identified small businesses possess the verified commercial distribution networks and logistics capabilities necessary to supply authentic, factory-new Caterpillar parts delivered directly to the destination.

Based on the identification of multiple responsible, independent small business sources, the Contracting Officer has determined there is a reasonable expectation of receiving competitive, market-priced offers from two or more small businesses at a fair and reasonable price. Accordingly, in accordance with FAR 19.502-2, this brand-name requirement will be solicited as a 100% Small Business Set-Aside via the SAM.gov Contract Opportunities portal. A notice of intent to solicit brand-name Caterpillar items, along with this Justification and Approval, will be publicly posted in accordance with FAR 5.102(a)(6) and FAR 6.301(b)(2), ensuring full transparency and maximizing commercial competition among all qualified small business distributors.

7. Determination of Fair and Reasonable Cost.

The Contracting Officer has determined the anticipated cost to the Government of the supplies/services covered by this J&A will be fair and reasonable.

8. Actions to Remove Barriers to Future Competition.

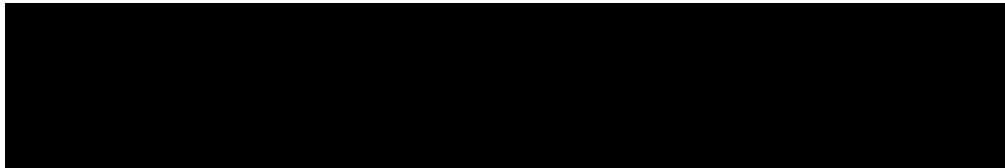
For the reasons set forth in Section 5, Caterpillar, Inc. is the Original Equipment Manufacturer (OEM) and holds the proprietary technical data required for this material. However, competition is maximized by soliciting this requirement among all Caterpillar authorized distributors and dealers. For future procurements, MARMC will continue to conduct market research to identify emerging commercial sources, alternative non-developmental items, or new authorized vendors capable of meeting technical requirements.

CERTIFICATIONS AND APPROVAL

TECHNICAL/REQUIREMENTS CERTIFICATION

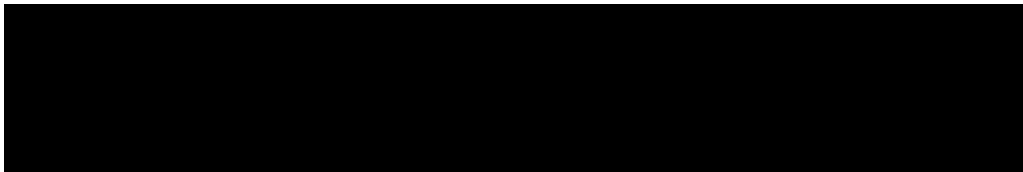
I certify that the facts and representations under my cognizance which are included in this Justification and its supporting acquisition planning documents, except as noted herein are complete and accurate to the best of my knowledge and belief.

Technical Cognizance:



LEGAL SUFFICIENCY REVIEW

I have determined this Justification is legally sufficient.



CONTRACTING OFFICER CERTIFICATION

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

