Date: August 11, 2026

Limited Sources Justification

Program/Equipment:	Aberdeen Test Center's Range Sustainment Branch procurement of a Non-Line-of-Sight (NLOS) Remote Operations Kit for a Caterpillar (CAT) 299D3 Skid Steer Loader with Forestry Mulcher **and** a CAT Command Center.
Authority:	Sole Source for Brand Name threshold procedures: FAR 6.103-1; 41 U.S.C. 3304(a)(1) using Simplified Procedures at FAR 12.102(a); 41 U.S.C. 1901.
Estimate Price:	~$270,000.00 (Total Firm-Fixed-Price)

Technical, Requirements, and Contracting Officer Details

Prepared by: [redacted] Date: 29 July 2026	**Contracting Officer:** Ms. Karen Gibson Contracting Officer, ACC-APG [redacted] E-mail: karen.gibson2.civ@army.mil Date: 29 July 2026
Requirements Representative: [redacted] Date: 29 July 2026	

Sole Source for Brand Name FAR 12.102(a)

1. Requiring Activity

US Army Aberdeen Test Center (ATC), Range Control Branch, 6850 Lanyard Rd., Bldg. 358, Aberdeen Proving Grounds, MD 21005-5059.

2. Contracting Activity

Army Contracting Command – Aberdeen Proving Ground Division D, 6515 Integrity Court, Aberdeen Proving Ground, Maryland 21005.

3. Description of Action
A new, Firm-Fixed-Price (FFP) contract to be awarded competitively after exclusion of sources, for the procurement and installation of a brand-name Caterpillar (CAT) Non-Line of Sight (NLOS) Remote Operations Kit for a CAT 299D3 Skid Steer Loader **and** a Caterpillar (CAT) Command Center System.

4. Description of Supplies/Services
The requirement is to procure:

a. One (1) installed, "commercial-off-the-shelf" brand-name Caterpillar NLOS remote operations kit. This NLOS remote operations kit will convert an existing Government-owned manually operated CAT 299D3 Skid Steer Loader with Forestry Mulcher into an unmanned, remotely operated platform at the Aberdeen Test Center.

b. One (1) CAT Command Center System. The CAT Command Center System will allow for the remote operation of CAT Command units.

c. The hardware and software components for both items are listed below:

Item/Kit Description	Part/Specification	Qty
NLOS Remote Ops Kit		
Vision Kit	P/N 604-3425	1
Vision Kit	P/N 617-8508	1
Wi-Fi Kit	P/N 638-5489	1
Mobile Mark LTM Dome Antenna	P/N 615-7741	1
CISCO IW3702 CPU	-	1
Axiomatic Power Converter	P/N 603-6623	1
On-site Installation		1
Training Session		1
Twelve-month commercial manufacturer's warranty		1
CAT Command Center System Components: ***Assembled offsite**		

Command Station	CAT 576-6000	1
SEA Station	CAT 599-4855	1
Display Arm	CAT 580-5669	1
Pedestal Set	CAT 576-6024	1
TV's and Monitors	WCA Kit, CAT Command Compliant	-
MAST	Power telescoping antenna mast	1
Radio	Cisco IW3702 Radio	2
Antenna	Communications Antenna	2
Camera	Site Camera	1
Twelve-month commercial manufacturer's warranty		1

5. Authority Cited. Sole Source for Brand Name threshold procedures: FAR 6.103-1; 41 U.S.C. 3304(a)(1) using Simplified Procedures at FAR 12.102(a); 41 U.S.C. 1901.

6. Reason for Authority Cited.

a.

i. NLOS Remote Operations Kit: This kit converts the manual platform on a Caterpillar 299D3 into a remotely operated unit. The hardware, software, and cameras which comprise the NLOS Remote Operations Kit must interface seamlessly and securely with the proprietary Caterpillar electronics, CAN bus, and control protocols.

ii.CAT Command Center System: The CAT Command Center System requires Caterpillar proprietary equipment (Caterpillar electronics, CAN bus, and control protocols) for the system to interface seamlessly and securely as a system.

b. Proprietary Compatibility: No other remote-controlled manufacturer's equipment is compatible with Caterpillar's proprietary electronics and the CAT Command Center System. Caterpillar remote equipment interfaces utilize highly specialized, proprietary machine networks and encrypted safety communication systems.

c. Safety and Range Mission: The CAT 299D3 is operated to clear brush in hazardous range areas contaminated with Unexploded Ordnance (UXO). The CAT Command System will assist in the remote operation of the CAT 299D3, and other Government owed remote controlled Catepillar devices. The Government cannot take the risk of

having communication drops or command failures created by using mismatched, non-OEM components with the Caterpillar equipment we have. Doing so places operators at risk of catastrophic, potentially fatal results.

d. Economic Impact: Purchasing an alternative system would require completely replacing the CAT 299D3 Skid Steer Loader, the remote station, and the CAT Command Center System, resulting in a substantial duplication of cost (exceeding $300,000), which would not be recovered through subsequent competition, as well as causing severe scheduling delays.

7. Alternatives

Alternative 1 (Suspension of support / Do nothing): Failing to upgrade the Caterpillar equipment will prevent unmanned operations in UXO-contaminated areas, which directly and compromises operator safety during brush clearing.

Alternative 2 (Alternative Manufacturer Remote Kit and Command System): Use of another brand of kit and command system is technically impossible without replacing the entire base vehicle platform and remote station due to the proprietary nature of the CAT command bus.

8. Impact if not approved

If this brand-name justification is not approved, the Aberdeen Test Center Range Sustainment Branch will be unable to operate the CAT 299D3 forestry mulcher remotely, which results in either a complete halt to the crucial UXO-contaminated range clearance projects requiring operators to enter high-risk zones, violating Army safety standards.

9. Approval:

Based on the foregoing justification, I hereby approve the procurement of a brand name Caterpillar (CAT) 299D3 NLOS Remote Operations Upgrade Kit and Caterpillar (CAT) Command Center System on a limited sources basis pursuant to the authority of Title 41 U.S.C. 3304(a)(1) as implemented in FAR 6.103-1, only one responsible source and no other supplies or services will satisfy agency requirements.

The estimated total value of the new contract(s) action is ~$270,000.00 with an expected delivery date of 30 September 2026. This approval is subject to availability of funds, and provided that the supplies and/or services herein described have otherwise been authorized for this acquisition.

Both the Caterpillar NLOS Remote Operations Kit and the Caterpillar Command System will be solicited together in a single Request for Quotation (RFQ). However, the Government reserves the right to make a separate award for each item, based on the quotations received and what is determined to be the best value to the Government.

Date: August 11, 2026

Approved by:

GIBSON.KAREN.1398662039 Digitally signed by GIBSON.KAREN.1398662039 Date: 2026.08.11 13:20:06 -04'00'	Date: 8-11-2026
Karen Gibson Contracting Officer, Division D, Branch A	