JUSTIFICATION REVIEW DOCUMENT FOR OTHER THAN FULL AND OPEN COMPETITION CONTROL NO. 26-008		
PROJECT/EQUIPMENT: Trane Supervisory Control and Data Acquisition ERCIP Wellfield Expansion Fort Drum, NY		
AUTHORITY: 10 U.S.C. § 2304(c)(1) [redacted]		
Prepared By:	NAME/TITLE: Derrico Ross, Technical Manager TELEPHONE: 917-790-8376	DATE: 4/27/2026
Contracting Officer	NAME/TITLE: Nicholas Emanuel, Contracting Officer TELEPHONE: 917-790-8069	DATE:
Requirements	NAME/TITLE: Andrew Mitchell, Project Manager TELEPHONE: 315-350-1989	DATE: 4/27/2026
SIGNATURES ARE REQUIRED BELOW		
I have reviewed this J&A and find the justification adequate to support other than full and open competition.		
District Small Business Specialist	NAME: Zack Benard TELEPHONE: 917-790-8004	SIGNATURE BERNARD.ZACHERY.ALAN.1265671230 Digitally signed by BERNARD.ZACHERY.ALAN.1265671230 Date: 2026.05.01 14:59:20 -04'00'
Project Manager	NAME: Andrew Mitchell TELEPHONE: 315-350-1989	SIGNATURE MITCHELL.ANDREW.JAMES.1022565784 Digitally signed by MITCHELL.ANDREW.JAMES.1022565784 DN: CN=MITCHELL.ANDREW.JAMES.1022565784, OU=USA, OU=PKI, OU=DoD, O=U.S. Government, C=US Reason: I have reviewed this document Date: 2026.04.30 18:11:38-04'00'
Office of Counsel	NAME: Lorraine Lee TELEPHONE: 917-790-8055	SIGNATURE LEE.LORRAINE.C.1228825367 Digitally signed by LEE.LORRAINE.C.1228825367 Date: 2026.05.08 15:07:39 -04'00'
DCC/CCC Contracting Chief	NAME: Francis Cashman TELEPHONE: 917-790-8173	SIGNATURE CASHMAN.FRANCIS.1386668368 Digitally signed by CASHMAN.FRANCIS.1386668368 Date: 2026.05.10 05:36:32 -04'00'

JUSTIFICATION AND APPROVAL REVIEW

FOR OTHER THAN FULL AND OPEN COMPETITION

FOR:

Trane Supervisory Control and Data Acquisition
ERCIP Wellfield Expansion
Fort Drum, NY

27 April 2026

1. CONTRACTING ACTIVITY:

The U.S. Army Corps of Engineers (USACE), New York District (NAN), Contracting (CT), 26 Federal Plaza, New York, NY 10278.

2. DESCRIPTION OF ACTION:

This Justification and Approval (J&A) supports the use of brand name components for the ERCIP Wellfield Expansion project. The government will not purchase the components directly, but rather will require that offerors include Trane Supervisory Control and Data Acquisition (SCADA) system as part of proposals submitted in response to the solicitation to comply with the Contract specifications that will lead to the award of a new firm-fixed-price (FFP) construction contract. The United States Army Corp of Engineers (USACE) is responsible for the acquisition and administration of the construction contract. Funding for this acquisition will be Energy Resilience and Conservation Investment Program (ERCIP) Military Construction (MCA). The project will be solicited and awarded as a Best Value Trade Off (BVTO) procurement in accordance with FAR Part 15.

3. DESCRIPTION OF SUPPLIES/SERVICES:

The need to expand the Trane Supervisory Control and Data Acquisition (SCADA) system is determined by the functionality and maintenance requirements of the existing SCADA system at Fort Drum. Each of the five wellhouses will include a Trane Supervisory Control and Data Acquisition (SCADA) system panel used to integrate seamlessly with the existing control (i.e. SCADA) system within the larger Fort Drum system.

[redacted] The period of performance for the entire project is approximately 910 calendar days.

4. AUTHORITY CITED:

10 U.S.C. § 2304(c)(1), Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements, as implemented by FAR 6.302-1(c), Application for Brand Name Descriptions. In accordance with FAR 6.302-1(c), the Contracting Officer will specify that all offerors be required to procure an item particular to one supplier (brand-name item).

5. REASON FOR AUTHORITY CITED:

A. Background:

The U.S. Army Corps of Engineers (USACE) requires the procurement of control system hardware, software, and integration services for the wells control systems at the ERCIP Wellfield Expansion project. This project involves the expansion and modernization of the existing Supervisory Control and Data Acquisition (SCADA) system that controls the facility's water wells. The current SCADA system is a proprietary platform from Trane. To maintain operational integrity, system stability, and cybersecurity, any new controls must integrate with the existing manufacturer's platform. The required supplies include proprietary programmable logic controllers (PLCs), input/output (I/O) modules, SCADA software licenses, and the associated engineering services for programming, configuration, and integration.

B. Justification:

The existing SCADA system at Fort Drum is a highly integrated and proprietary Trane platform. Key components, including the central servers, communication protocols, and programming environment, are specific to this manufacturer. Awarding a contract to any source other than Trane would prevent the new well controls from successfully integrating into the existing system for the following reasons:

- Proprietary Architecture: The system's communication bus and software are not open-protocol, which prevents third-party controllers from being recognized or functioning within the established network.
- Data and Alarm Consistency: An alternative system would be unable to integrate with the existing alarm, trending, and historical data logging schemas. This would create operational inefficiencies, information gaps, and compromise the data integrity required by the Fort Drum licensed water operator.
- Cybersecurity: Introducing a different platform would necessitate a completely new cybersecurity evaluation and Authority to Operate (ATO). It would require creating a separate, less secure control network or a risky and unproven integration gateway, thereby increasing the vulnerability of a critical infrastructure asset.

Market research has confirmed that while multiple vendors manufacture control systems, no other vendor can provide components that are fully and seamlessly compatible with the proprietary architecture of the existing system at Fort Drum.

C. Alternatives:

There are no viable alternatives that meet the features provided by the Trane Supervisory Control and Data Acquisition (SCADA) system that would be able to be integrated into the existing Trane system given the proprietary nature of the system. Attempting to integrate a system from a different manufacturer would require extended redesign of the existing system architecture and data points as well as operator training and testing. Commissioning would be a significant effort to validate the performance of a multi-vendor system.

D. Impact:

If this J&A is not approved and a different item is provided, rather than the subject item, the overall SCADA system would not have the full functionality that is required for operation of the water system and negatively impact the operational readiness of the Installation's water supply.

6. EFFORTS TO OBTAIN COMPETITION:

The brand name product has been published as required by FAR 5.201, a Notice of Intent (NOI) to determine sources for this system was synopsized on 18 March 2026. No responses were received for the Notice of Intent. The brand name justification and approval will be posted with the solicitation. As stated in paragraph 5 above, the Trane Supervisory Control and Data Acquisition (SCADA) system is the only

brand available to ensure compatibility with the Fort Drum Garrison's Existing SCADA infrastructure.

7. ACTIONS TO INCREASE COMPETITION:

This J&A supports a discrete requirement that will end when the project is complete. Therefore, there are no planned actions to increase competition for the requirement covered by this J&A.

8. MARKET RESEARCH:

A Notice of Intent (NOI) to determine sources for this system was synopsized on 18 March 2026. The NOI was published for the required 15 days in SAM.gov. There were no responses to the NOI. Additional research was not done besides the NOI.

9. INTERESTED SOURCES:

There were no responses to the NOI posting. The solicitation will be synopsized in accordance with FAR 5.201 and responses will be evaluated per FAR Part 15.

10. OTHER FACTS:

All pertinent facts are included above.

11. TECHNICAL CERTIFICATION:

"I certify that the supporting data under my cognizance which are included in the justification and approval are accurate and complete to the best of my knowledge."

DERRICO.ROSS.MICHAEL.1014865477 Digitally signed by DERRICO.ROSS.MICHAEL.1014865477 Date: 2026.04.27 10:52:20 -04'00'

Name: Ross Derrico, RA Date:

Title: Technical Manager

12. REQUIREMENTS CERTIFICATION:

"I certify that the supporting data under my cognizance which are included in the justification and approval are accurate and complete to the best of my knowledge."

MITCHELL.ANDREW.JAMES.1022565784 Digitally signed by MITCHELL.ANDREW.JAMES.1022565784 DN: CN=MITCHELL.ANDREW.JAMES.1022565784, OU=USA, OU=PKI, OU=DoD, O=U.S. Government, C=US Reason: I have reviewed this document Date: 2026.04.30 18:12:33-04'00'

Name: Andrew Mitchell Date:

Title: Project Manager

13. FAIR AND REASONABLE COST DETERMINATION:

"I hereby determine that the anticipated cost or price to the Government for this contract action will be fair and reasonable. This determination is based on the Independent Government Cost Estimate, the items being procured, and historical data."

CASHMAN.FRANCIS.1386668368 Digitally signed by CASHMAN.FRANCIS.1386668368 Date: 2026.05.10 05:38:41 -04'00'

Name: Francis Cashman Date:

Title: Contracting Officer

14. CONTRACTING OFFICER CERTIFICATION:

"I certify that this J&A is accurate and complete to the best of my knowledge and belief."

CASHMAN.FRANCIS.1386668368 Digitally signed by CASHMAN.FRANCIS.1386668368 Date: 2026.05.10 05:40:07 -04'00'

Name: Francis Cashman Date:

Title: Contracting Officer

APPROVAL

Based on the foregoing justification, I hereby approve the brand name requirement for the Trane Supervisory Control and Data Acquisition system, estimated at $275,000 in support of the ERCIP Wellfield Expansion project at Fort Drum, NY as authorized by 10 U.S.C. § 2304(c)(1), Only One Responsible Source and No Other Supplies or Services Will Satisfy Agency Requirements, and as implemented by FAR 6.302-1(c), Application for Brand Name Descriptions, subject to availability of funds and provided that the product herein described has otherwise been authorized for this acquisition.

CASHMAN.FRANCIS.1386668368 Digitally signed by CASHMAN.FRANCIS.1386668368 Date: 2026.05.10 05:41:38 -04'00'

Name: Francis Cashman Date:

Title: Contracting Officer