

## Justification and Approval (J&A) for Other Than Full and Open Competition

**NOTE:** If a Justification and Approval was approved for the preceding acquisition, a copy of the approved J&A for the predecessor action must be included in the staff package for approval of the instant J&A. This applies to J&A staff packages that are submitted for review and approval at a level above the contracting officer. The predecessor J&A will be used as a reference document by the approving official.

### Choose the funding level for this J&A Document:

≤ \$650K     > \$650K and ≤ \$12.5M     > \$12.5M and ≤ \$85.5M     > \$85.5M

**Contracting Activity:** AFLCMC/HNK

**Purchase Request / Local ID Number:** F2BDCH7278A002

**Program / Project (and PE, if applicable):** Capabilities Integration Environment (CIE) Cloud Requirement

**Program Type (PEO or Other Contracting):** PEO

**Authority (include full title):** Title -10 U.S.C.2304(c) (1), as implemented by FAR 6.302-1

**Estimated Contract Cost (including options):** [REDACTED] J&A Type:  Class  Individual

### COORDINATION (AFFARS 5306.304(a))

[REDACTED]	[REDACTED]	[REDACTED]
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### APPROVAL (AFFARS 5306.304(a))

[REDACTED]	[REDACTED]	[REDACTED]
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### I. Contracting Activity.

AFLCMC/HNK  
201 East Moore Drive  
Building 856, Room 117  
MAFB-Gunter Annex AL 36114  
The Contracting Officer is Ms. Sharon F. Stallings.

[REDACTED]  
This is a Justification and Approval for Other Than Full and Open Competition.

### II. Nature and/or description of the action being processed.

The action being processed is for the purchase of Smartronix Amazon Web Services (AWS) Cloud in support of the AFLCMC/HNII development and test initiatives. AFPEO C3I&/HNII Capabilities Integration Environment (CIE) Integration Test Lifecycle Capability (ITLC) activities as a part of the Service Development and Delivery Process (SDDP-AFMAN 10-606) provide standard configuration environments, to include AWS Cloud Solution - which would be managed by this tool, to mimic the operational target environments of developing Automated Information Systems (AIS) during the development and test phases of acquisition. The Government is seeking to purchase AWS Cloud, from Date of Award plus 1 year and 2 option years. The continued use of AWS Cloud Solution is essential to the Government's requirements.

### III. Description of supplies/services required to meet agency needs.

The list below reflects the product / parts required. The requirements for AWS Cloud Solution is a sole-source requirements for reasons of maintaining compatibility with existing contract and AWS Cloud Space.

Qty	Product #	Description	AWS ID	Start	End
1	AWS Space	AWS Compute and Store Cloud Space	108475537567	DOA	DOA + 1 year
1	AWS Space	AWS Compute and Store Cloud space, Opt Yr 1	108475537567	End Year 1	End year 1 + 1 year
1	AWS Space	AWS Compute and Store Cloud space, Opt Yr 2	108475537567	End Year 2	End year 2 + 1 year

The Government's minimum needs can only be satisfied by the Smartronix AWS Cloud Solution. In order to continue to provide Independent Quality Test & Evaluation support we must ensure our hardware architecture mirrors the Production GCSS-AF/Integration Framework components. Per OSSW/CD policy letter dated 23 Nov 2005, all applications targeting GCSS-AF must use the CIE for systems integration and performance evaluation. Failure to be functionally identical (operating systems/hardware/network/COTS software) with the production framework will prevent the CIE from completing its mission to provide these integration and performance services. A failure to purchase specified equipment would prevent the AFLCMC/HNII from meeting current customer requirements.

The justification for this award:

1. CIE's (Capabilities Integration Environment) goal is to be the enterprise-wide development, integration, and test environment for Information Technology solutions and standardized DoD infrastructures across the Air Force. It is the CIE mission to provide a production compliant capability with a set of enterprise services in support of proofs of concept, development, integration and test activities in an accredited environment. In order to adhere to this mission, CIE must mirror hardware and software being utilized within the supported environments throughout the Air Force.

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2. As the CIE roles in the AWS Cloud continues to increase, the CIE has a requirement to purchase additional capacity in the AWS Cloud for the CIE and its other customer requirements. The CIE has already purchased space in the AWS Cloud through the Smartronix vendor and invested over 100 hours and three (3) months of time configuring applications in that arena. Using the same vendor will cut operational costs, time, and improve performance, thus, saving hundreds of thousands of dollars annually in TDY and relocation costs for the CIE's Test and Development efforts.
3. The AWS Cloud Solution is a DoD priority as per the Secretary of Defense Memorandum dated 13 Sep 2017, OSD011070-17 FOD. Air Force IT personnel are being trained on this solution. The mission of the CIE, in part, is to emulate the Air Force Cloud environment to ensure compatibility of development software with the standard infrastructure.
4. Therefore, at this time, the Government's minimum needs can only be satisfied by the Smartronix AWS Cloud Solution.

### **IV. Statutory authority permitting Other than Full and Open Competition.**

10 USC 2304(c), as implemented by FAR 6.302 (FAR 6.303-2(a)(4)).

### **V. Demonstration that the contractor's unique qualifications or nature of the acquisition requires the use of the authority cited above (applicability of authority).**

FAR 6.302-1, this is a follow-on contract (FA8732-14-D-0012) for the AWS Cloud Solution used by the CIE.

The CIE purchased AWS compute in store cloud space (AWS ID # 108475537567) and has built a VPN tunnel group from the CIE's enclave to AWS. The CIE has built six (6) virtual servers housing two (2) of the CIE applications, database, and web servers in that instance. The AFWAY contract was used to accomplish this and Smartronix's cost was less than the other vendors that competed. Currently, there is no way to reconstitute this effort from AWS ID # 108475537567 into another potential vendor's space, nor can this be reused by another vendor. The CIE has invested over 100 hours and three (3) months configuring those two (2) applications in this space. If this requirement was awarded to another vendor, it would take that vendor a considerable length of time to come up to speed and create its own cloud space to satisfy the CIE's needs. Awarding to another vendor at this time would be more costly and more time-consuming to the Government. Additionally, the current cloud space will expire in approximately two (2) weeks, on 15 Nov 2017. Therefore, the Government's minimum needs can only be satisfied by the Smartronix's AWS Cloud Solution.

In order to continue to provide Independent Quality Test & Evaluation support, the CIE must ensure our Cloud architecture mirrors the Production GCSS-AF/Integration Framework components which is migrating to the AWS Cloud. Per OSSW/CD policy letter dated 23 Nov 2005, all applications targeting GCSS-AF must use the CIE for systems integration and performance evaluation. Failure to be functionally identical (operating systems/hardware/network/COTS software) with the production framework will prevent the CIE from completing its mission to provide these integration and performance services. A failure to purchase specified equipment would prevent the AFLCMC/HNII from meeting current customer requirements and the Secretary of Defense's memo.

### **VI. Description of efforts made to ensure that offers are solicited from as many potential sources as practicable.**

A request for quote (RFQ) will be sent to the Smartronix vendor. The quote will be received by the Contracting Officer and transmitted to the selected Technical team for a final (technical) evaluation.

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### **VII. Determination by the Contracting Officer that the anticipated cost to the Government will be fair and reasonable.**

The quote received from the sole-source vendor will be evaluated. The technical personnel will review the quote and compare it to the Government estimate and market value to ensure that the order is fair and reasonable and represents the best value to the Government. The Contracting Officer will then make a final determination of fair and reasonableness of prices by considering all available information provided by the technical office along with other acceptable price analysis techniques in accordance with FAR 15.4.

### **VIII. Description of the market research conducted and the results, or a statement of the reasons market research was not conducted.**

Market research was conducted by the technical team based on previous history and published product information from vendors' websites. Smartronix, Inc. is the only vendor that could fulfill the cloud requirement and utilize the cloud space that was previously acquired. The continued use of AWS Cloud Solution is essential to the Government's requirements.

### **IX. Any other facts supporting the use of Other Than Full and Open Competition.**

The CIE has invested in the initial architect of AWS Cloud and because of this investment we are limited to AWS Cloud products when expanding and technically refreshing the environment. This is a follow on effort to continue Cloud support and updates of the AWS Cloud Solutions. See Section V above for more details.

### **X. List of sources, if any, that expressed interest in the acquisition.**

See Section VI above.

### **XI. A statement of the actions, if any, the agency may take to remove or overcome any barriers to competition before making subsequent acquisitions for the supplies or services required.**

It is AFLCMC/HNK's policy to seek fair opportunity whenever possible. This request, however, is for specialized Brand Name equipment to provide all CIE technicians with equipment that is standard across the USAF infrastructure. AWS Cloud Solution products provide a core Cloud environment across the USAF. In conjunction, the CIE practices these same standards to eliminate technical incompatibilities.

### **XII. Certification by the Contracting Officer.**

As evidenced by my signature above, I have determined this document to be both accurate and complete to the best of my knowledge and belief.

### **XIII. Certification by the technical/requirements personnel.**

As evidenced by my (our) signature(s) above, I (we) certify that any supporting data contained herein, which is my (our) responsibility, is both accurate and complete.