



F-35 LIGHTNING II JOINT PROGRAM OFFICE
200 12th Street South, Suite 600
Arlington, Virginia 22202-5402



IN REPLY REFER TO:
J&A Air-2.6/23-190

JUSTIFICATION AND APPROVAL
FOR OTHER THAN FULL AND OPEN COMPETITION

1. Contracting Activity

Naval Air Systems Command
Joint Strike Fighter Division (AIR 2.6)
c/o F-35 Joint Program Office (JPO)
200 12th Street South, Suite 600
Arlington, VA 22202-5402
POC: Jesse Steele, AIR 2.6JS, 2.6/23-190,

2. Description of the Action being Approved:

This justification and approval (J&A) authorizes and approves the continued use of an existing Indefinite-Delivery Indefinite-Quantity (IDIQ) contract (N00019-20-D-0007) required to execute continued development, installation/integration, testing, training, and delivery of the F-35 Autonomic Logistics Information System (ALIS) and Operational Data Integrated Network (ODIN) via Lockheed Martin Aeronautics Company (LM Aero). Orders awarded under the IDIQ contract will include both new capability development and current software modifications. In addition, contract requirements will support the “ALIS-to-ODIN” (A2O) re-architecture endeavor which will modernize ALIS in accordance with information technology and software development best practices; it is complications within the A2O re-architecture requirement, in addition to a better understanding of the requirement during performance, that forced the additional task order period of the ID/IQ contract. Contract requirements will also include the production of early prototypes and low rate production of A2O hardware, and administrative support of the A2O system. It includes limited production of current hardware to replace components reaching end of life.

3. Description of Supplies/Services:

Under the IDIQ contract, the contractor shall deliver modernized F-35 ALIS software. This software will consist of new capabilities and improvements to the current software baseline. The contractor shall support development, integration, testing, training, and rollout/fielding of new software products. The contractor shall support integration of all new software with LM Aero supply and configuration management systems.

The contractor shall also support engineering and architecture analysis, design and requirements analysis for the A2O modernization effort. Following design support, the

contractor shall support the creation of the initial minimum viable capability release (MVCR) based on the improved architecture.

The ALIS system supports all aspects of F-35 operations, maintenance, and logistics. ALIS provides the ability to manage maintenance actions, manage F-35 air system parts supply, monitor aircraft system health, manage flight scheduling, manage mission planning, deliver training and track qualifications, and provide failure reporting and corrective action analysis, among multiple other functions. ALIS directly connects with multiple LM Aero systems that manage the configuration of the aircraft and interact with parts suppliers.

The contractor shall also support the standup of government A2O software development and test support via the 309th Software Engineering Group at Hill Air Force Base, and support required service/partner-led test events.

This work is expected to occur in **FY23-FY24** in accordance with the below chart:

\$M	FY23	FY24
RDT&E	40,155,000	40,155,000
Procurement	0	0
O&M	0	0
Partner Funds	8,845,000	8,845,000
Total	49,000,000	49,000,000

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

10 U.S.C. 3204(a)(1), Only one responsible source and no other supplies or services will satisfy agency requirements.

5. Rationale Justifying Use of Cited Statutory Authority:

LM Aero is the sole company currently producing the ALIS Software System that is an integral part of the operational, maintenance, and logistical support capabilities of the F-35. No other software system is capable of meeting the requirements cited above, and adaptation of an existing system would require access to LM Aero proprietary data unavailable to other competitors. To create a duplicate non-LM Aero solution would cost an estimated \$300 million dollars and take a minimum of 5 years to develop. Duplication would not be accomplished within a timeframe that could support the growing F-35 Fleet. LM Aero is uniquely qualified to provide the ALIS Software System as they are the sole proprietary vendor of this software package specifically designed to be used in conjunction with the F-35. LM Aero maintains critical corporate knowledge and corporate integration with production facilities that ensure efficient ALIS product development and integration with existing operational ALIS Systems and F-35 aircraft. It is anticipated that not utilizing this statutory authority will result in unacceptable delays to required ALIS and A2O

software/hardware system upgrades and will adversely impact operational readiness for active F-35 Lightning II Squadrons.

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

The proposed contract was synopsisized on the Federal Business Opportunities (FBO) website (now known as SAM.gov as of Nov 2019) from 18 January 2019 through 18 February 2019. The synopsis requested interested parties to submit their capability statements for purposes of determining whether to initiate a competitive procurement. The Government received no responses to the synopsis. The information gained through the 2019 synopsis remains relevant for purposes of authorizing the additional ordering period of the same ID/IQ contract that was the subject of the 2019 notice.

The F-35 JPO did not conduct additional market research because it is not practical due to the reasons discussed in section 5 for any company besides LM Aero to provide the required supplies and services within the required time frame.

7. Determination of fair and reasonable cost:

In accordance with FAR 15.402, the Contracting Officer shall ensure that all supplies and services are procured at a fair and reasonable price/cost. Technical analysts and contract specialists will perform analyses of the contractor's proposals in conjunction with analyses from the Defense Contract Management Agency and Defense Contract Audit Agency as needed in accordance with FAR 15.404. The Contracting Officer will use cost analysis as the basis for negotiating a fair and reasonable price for each contract action.

8. Actions to Remove Barriers to Future Competition:

No additional market research was conducted because it is not practicable, for the reasons discussed in section 5 above, for any company other than LM Aero to provide the required supplies and services. After the A2O modernization activities are complete and the initial ODIN baseline / MVCR is produced and fielded operationally, the JPO intends to bring additional interested vendors into the ODIN ecosystem. The prime contractor, LM Aero, will likely be involved with integration to the logistics information system as well as maintaining air system alignment for the entire lifecycle of the program. However, the JPO will continue to pursue competitive offerings for best value where technically and programmatically feasible.

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

I have determined this justification is technically sufficient.

SPINDLER.JA SON.ADAM.1 026056612	<small>Digitally signed by SPINDLER.JASON.ADA M.1026056612 Date: 2022.12.16 14:52:47 -05'00'</small>	Lt. Col Jason Spindler	703-604-3801	16 DEC 2022
Signature		Name (Printed)	Phone No.	Date

LEGAL SUFFICIENCY REVIEW

I have determined this justification is legally sufficient.

IRCINK.GREG ORY.F.1160153 276	<small>Digitally signed by IRCINK.GREGORY.F.116 0153276 Date: 2022.12.19 07:10:18 -05'00'</small>	Gregory Ircink	703-601-1307	16 DEC 2022
Signature		Name (Printed)	Phone No.	Date

CONTRACTING OFFICER CERTIFICATION

I certify this justification is accurate and complete.

STEELE.JESSE .A.1393444220	<small>Digitally signed by STEELE.JESSE.A.13934442 20 Date: 2023.01.03 17:04:18 -05'00'</small>	Jesse Steele	703-607-4564	
Signature		Name (Printed)	Phone No.	Date

APPROVED

Upon the basis of the above justification, I hereby approve the solicitation of the proposed procurements described herein using other than full and open competition, pursuant to the authority of 10 U.S.C. 2304(c)(1), "Only one responsible source and no other supplies or services will satisfy agency requirements".

	Steven Bizier	703-602-5057	
Signature	Name (Printed)	Phone No.	Date