

**National Aeronautics and Space Administration
John F. Kennedy Space Center**

**JUSTIFICATION FOR OTHER THAN FULL AND OPEN COMPETITION
(JOFOC) PURSUANT TO TITLE 10 U.S.C. 2304(c)(1)**

Upon the basis of the following justification, the use of other than full and open competition for the proposed contractual action pursuant to the authority cited herein is approved.

1. Purpose of this JOFOC and Identification of the Agency:

This justification provides the rationale for contracting by other than full and open competition with Flowserve Corporation for the acquisition of 4" Valtek Mark VI cryogenic control valves and ½" Kammer 1855P3 on/off cryogenic valves.

2. The nature and/or description of the action being approved:

A fixed price purchase order is to be utilized for this requirement.

3. Description of supplies or services required.

-Two (2) - 4.0-MK6-SST-CL150-CV188-VL50-3220MD - 4" Valtek Mark VI control valves for cryogenic service

-Two (2) 0.5-1855P3-SST-CL2500-CV2.9-KP/P3-XX -½" Kammer model 1855P3 on/off valves for cryogenic service

4. Identification of the statutory authority permitting other than full and open competition.

The statutory authority permitting other than full and open competition is 10 U.S.C. 2304(c)(1) as cited in Federal Acquisition Regulation (FAR) 6.302-1, "Only one responsible source and no other supplies or services will satisfy agency requirements." This justification authorizes and approves the issuance of a sole source purchase order with Flowserve Corporation for the acquisition of supplies when there is a reasonable basis to conclude that that the agencies minimum needs can only be satisfied by unique supplies available from only one source.

5. Demonstration that the proposed contractor's unique qualifications and the nature of the acquisition require the use of the authority cited.

The Valtek is a large bore cryogenic valve for use in Liquid Hydrogen service. The existing cryogenic valves at LC-39 are obsolete and no longer manufactured. The Valtek Mark VI was identified as a suitable alternative based on unique design considerations.

This unique valve has been incorporated into the design of the cryo skids for the new Mobile Launcher and ordering from another source would require re-work to design drawings which would be time-consuming and costly.

The Kammer globe valves are high-performance, proven technology designed for use in ground support equipment. They have been used extensively in ground support functions for the Apollo and Space Shuttle programs in critical applications. Similar components are well-understood by KSC technicians and precision cleaning contractors. The Kammer valves have been incorporated into current ground support equipment designs. Ordering from another source would require re-work to design drawings and ground support hardware which would be time-consuming and costly.

6. Description of effort made to assure that offerors are solicited from as many potential sources as practicable,

There is no other supplier that can provide these types of cryogenic valves with the same form, fit and function.

7. Explanation of the basis for determining that the anticipated cost is fair and reasonable.

In accordance with FAR 15.402, the Contracting Officer shall ensure that all supplies and services ordered under this contract are procured at a fair and reasonable price. These supplies are commercial items. The Contracting Officer will purchase these items at or below prices available on the commercial market.

8. Statement why a market survey was not conducted.

There is no other supplier that can provide these types of cryogenic valves with the same form, fit and function.

9. Other facts supporting the use of other than full and open competition.

NASA KSC has committed considerable resources to the development of 79K component specification drawings for these valves. Using alternative valves at this stage would be costly, time consuming, and not in the best interests of the Government

CERTIFICATION (Per FAR 6.303-1)

Technical Officer: I certify that the supporting data presented in this justification are accurate and complete.

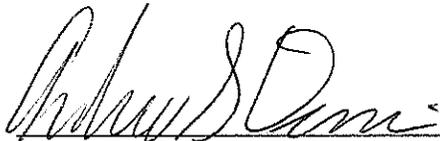


Thomas Lippitt
Fluids Design Branch Lead, NE-F2

5/11/2011

(Date)

Contracting Officer: I certify that this justification is accurate and complete to the best of my knowledge and belief.



Andrew S. Dennis
Contracting Officer, OP-ES

5/11/2011

(Date)