

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
KENNEDY SPACE CENTER

JUSTIFICATION FOR SOLE SOURCE ACQUISITION
VALUES \$2,501 - \$100,000
RECOMMENDATION AND DETERMINATION TO SOLICIT FROM ONE SOURCE

PR: _____

I recommend that NASA, Kennedy Space Center negotiate with CD-adapco only for STAR-CCM+ annual software lease

The total estimated cost of this effort is _____ and the estimated period of performance or lead-time for delivery is one year.

Pursuant to FAR 13.106-1(b) and 13.106-3(b) (3) (i), the acquisition of supplies or services determined to be reasonably available from only one source. Competition is impractical for the following reasons:

1. STAR-CCM++ software is used in the performance of fluid dynamics analyses in support of the Launch Services Program. STAR-CCM+ is the only known software package that allows a high-quality triangulated surface to be wrapped onto complex geometries, closing holes, joining disconnected and overlapping surfaces, as well as automatically discarding obsolete surfaces in a relatively short amount of time. The program has created models and processes that require the use of STAR-CCM++. Acquisition of any other software would require years of redevelopment work, significantly impact the time required to generate complex meshes, and result in a loss of capability. CD-adapco is the only source of the STAR-CCM+ software.

2. Pursuant to FAR 5.201, NFS 1805.207, and 1804.570, any contract action over \$25,000 shall be synopsisized in the Governmentwide Point of Entry (GPE) and published on the NASA Acquisition Internet Service (NAIS) by the Contracting Officer for a period of 15 days.



Michael J. Carney
Chief, Flight Analysis Division
VA-H

12/1/2015
Date

I hereby accept the above stated recommendation and determine that the circumstances of the contract action deem only one source reasonably available.



Contracting Officer

12-4-15
Date