

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: 4200459820

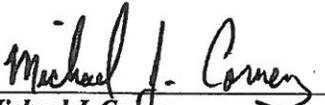
I recommend that NASA, Kennedy Space Center negotiate with CD-adapco only for STAR-CCM+ software licenses

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. In the performance of fluid dynamics analyses, the Launch Services Program is frequently required to provide quick turnaround on complex geometries. In order to provide timely analyses, a tool is required that allows a high-quality triangulated surface to be wrapped onto the complex geometries, closing holes, joining disconnected and overlapping surfaces, as well as automatically discarding obsolete surfaces. STAR-CCM+ is the only known software package that provides this unique capability. Acquisition of any other software would significantly impact the time required to incorporate satellite geometry into fairing models in support of spacecraft verification/validation, potentially impacting launch schedules. CD-adapco is the only source of the STAR-CCM+ software.

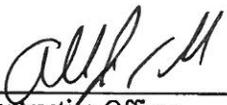
2. Pursuant to FAR 5.201, NFS 1805.207, and 1804.570, any contract action over \$25,000 shall be synopsisized in the Governmentwide Point of Entry (GPE) and published on the NASA Acquisition Internet Service (NAIS) by the Contracting Officer for a period of 15 days.



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

11-30-12
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

1/8/13
Date