NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
NASA SHARED SERVICES CENTER

RECOMMENDATION AND DETERMINATION TO SOLICIT FROM ONE SOURCE
OR BRAND NAME

PICK ONE

Sole Source:
☒I recommend that NASA, NASA Shared Services Center negotiate with Force Measurement Systems only for Test Stand 406 Thrust Measurement System. The total estimated cost of this effort is [redacted] and the estimated period of performance or lead-time for delivery is 03/31/2027.

OR

Brand Name Justification:
☐I recommend that NASA, NASA Shared Services Center negotiate with only with vendors who can provide the subject brand name from Manufacture Name for N/A. The total estimated cost of this effort is [redacted] and the estimated period of performance or lead-time for delivery is N/A.

This recommendation is for the acquisition of supplies or services determined to be reasonably available from only one source/only one manufacture. Competition is impractical for the following reasons (please answer the questions below):

1. **What are the reasons for soliciting only the suggested source/suggested brand name?** Please provide the unique characteristics of the items or services along with the supporting rationale and the market research performed to substantiate your reason for the suggested source/brand name.

   Force Measurement System is the only supplier that provides Thrust Measurements Systems (TMS) that are compatible with hypergolic propellants, can operate at 0.1 psia, and can with stand the enviromental conditions present with in a vacuum rated rocket propulsion test stand.

2. **What is the impact to the government if another vendor/brand is used?** Include any dollar, schedule, or compatibility impacts if possible.

   Selection process to find and vet a company that can provide a thrust measurement system to strict OSHA and NASA standards for a highly hazardous work area is both cost and time prohibitive. Selection process, if such a vender existed, would take over a year. [redacted] This would double the schedule and cost of this project. The TMS is required to test Hypergolic Thrusters for NASA Lunar Lander and Boeings Starliner missions in January of 2027.

ADDITIONAL COMMENTS:

Force Measurement System has supplied TMS's for WSTF, Marshall, and Stennis.

[redacted]