DCN: _____

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHNSON SPACE CENTER

RECOMMENDATION AND DETERMINATION TO SOLICIT FROM ONE SOURCE

I recommend that NASA, Johnson Space Center negotiate with TTTech North American, Inc. only for the procurement of Time-Trigger Ethernet (TTE) switches, TTE network interface cards, a TTE development system, optical cables, and SFP modules. The total estimated cost of this effort is $209,579.00 and the estimated period of performance or lead-time for delivery is 4 to 8 weeks after receipt of order.

This recommendation is made pursuant to FAR 13.106, for the acquisition of supplies or services determined to be reasonably available from only one source. Competition is impractical for the following reasons:

1. TTTech is the industry leader in developing hardware that complies with the emerging TTE protocol standard. TTE is a standard in work by the Society of Automotive Engineers (SAE) for deterministic, fault-tolerant networking, and will be used as the network protocol for the Orion vehicle On-Board Data Network (ODN). This hardware will be used for testing of the TTE protocol for risk reduction on the Orion Project, and TTTech is currently the only company that develops such hardware.

Pursuant to NFS 1805.207 and 1804.570, this proposed contract action will be published on the NASA Acquisition Internet Service (NAIS) and pursuant to FAR 5.201, this proposed contract action will be synopsized in the Commerce Business Daily. The results received in writing will be added to this document by addendum.

Clint Baggerman
Orion Avionics- Command and Data Handling
Avionic Systems Division

Date

Marie D. Klimient
Contracting Officer

7-23-10
Date