ADDENDUM #2 to the University of Florida ITB18AN-112 I-Profiler Motors and Electronic Speed Controllers to open on Thursday, December 7, 2017 at 3:00PM at the University of Florida, Elmore Hall Conference Room, Radio Road, Gainesville, Florida.

This addendum consists of:

- Responses to technical questions and inquiries submitted prior to November 30, 2017.
- Revised CAD drawing of the Motor Mount.

This addendum shall be considered part of the Contract Documents for the above mentioned ITB18AN-112 as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original document, this addendum shall govern and take precedence. All other terms, conditions, and regulations will apply.

Sincerely,

Arleen Nicius
Procurement Agent II, Purchasing Services

Please acknowledge receipt of Addendum #2 by signing below, and returning this addendum with your proposal. Failure to include addendum with your proposal may result in rejection.
Addendum 2: Bid Questions and Answers

Q1: What is the application for the motors and speed controllers?
   
   **Answer:** The motors are the primary drivers for a wind tunnel Air Flow Field Modulation system.

Q2: Do you have any drawings or pictures of how the motor, ESC, and adapter are used?

   **Answer:** Until bid has been awarded, final assembly drawings are not available.

Q2: Does each motor and electronic speed controller set need to come with a replacement part kit?

   **Answer:** No, it is not required that a part kit be supplied with each motor. However, complete rebuild part kits must be available for purchase off the shelf.

Q3: Do both the motor and electronic speed controller need to come from the same manufacturer?

   **Answer:** Yes. Please see the technical specifications of the bid on page 9.

Q4: Do you have an example motor in mind?

   **Answer:** The bid documents list the minimum specifications that will be considered for the motors.

Q5: Should the motor be an in-runner or out-runner motor?

   **Answer:** In-runner only. Inertia and acceleration are critical parameters.

Q6: What face of the motor will need to bolt to the flange in Attachment A?

   **Answer:** The front, shaft side, of the motor must bolt to the flange. These motors must have RPM feedback and the voltage must be 1350kv.

Q7: Do the motors need to have the threads shown in Attachment A? If yes, what pitch? If not, will the motor need clearance holes for that size bolt?

   **Answer:** The holes in the front mounting flange of the motor must be threaded. There are (4) M3x10mm and (2) M4x10mm holes.

Q8: How are the electronic speed controller operated?

   **Answer:** The electronic speed controller uses a Pulse Width Modulation (PWM) servo signal input with the following specifications:

   - **Period:** 20 milliseconds (msec)
   - **Pulse Width:** 1 msec ≤ Pulse Width ≤ 2 msec with 1.5msec as neutral. (5% to 10% duty cycle with 7.5% being neutral).
   - **Logic Level:** 5-Volt TTL level.

Q9: Will the vendors need to submit a bid that includes the motor mount plate?

   **Answer:** No. Attachment A shows the bolt pattern the motor housing must match.

Q10: Will the University consider making a down payment for this project?

    **Answer:** UF standard payment terms are Net 30 after receipt of final invoice.
Revised Attachment A

- Red line indicates line missing on previous attachment.

Tolerances:
UNLESS OTHERWISE SPECIFIED
UNITS: INCHES
0.0 ± 0.1
0.00 ± 0.01
0.000 ± 0.001
0.0000 ± 0.0005
ANGULAR ± 1 deg.

Notes:
- Must be able to adapt to this layout