

Mississippi State University
Notice of Proposed Sole Source Purchase

245-146

Mississippi State University anticipates purchasing the item(s) listed below as a sole source purchase. Anyone objecting to this purchase shall follow the procedures outlined below.

1. Commodity or commodities to be purchased (make, model, description):
 - Delsys Trigno Centro-8 Avanti System with (8) Trigno Avanti Sensors, (2) Trigno Sensor Interface 80/pk and Trigno Avanti Analog Adaptor with Avanti Analog Input BNC, includes The MotionMonitor Real-time Plug-in for Delsys Trigno, The MotionMonitor EMG Module, Integration Support and Shipping
2. Explanation of the need to be fulfilled by this item(s), how is it unique from all other options, and why it is the only one that can meet the specific needs of the department:

The Neuromechanics Laboratory housed in the Department of Kinesiology at Mississippi State University has a variety of equipment including a motion capture system, force plates, and EMG system. Our current EMG system is older and outdated. By purchasing the Delsys Trigno Centro-8 Avanti system through The MotionMonitor, it will allow us to integrate this EMG system with the other equipment in the Neuromechanics Laboratory so data can be collected and analyzed synchronously between multiple different systems. This will allow for faster processing time of the EMG data collected in the laboratory and integration with the other pieces of equipment. To our knowledge, there is not another company or system that can seamlessly integrate the Delsys Trigno system with the current equipment in the Neuromechanics Laboratory. This will allow for expanded research and teaching capabilities within the Neuromechanics Laboratory.

3. Name of company/individual selling the item and why that source is the only possible source that can provide the required item(s):

MotionMonitor. This is the only company that can integrate the above equipment with the current equipment in the Neuromechanics Lab.

4. Estimated cost of item(s) and an explanation why the amount to be expended is considered reasonable:

\$16,460

The cost of the EMG system is comparable to other EMG systems, but it also allows the integration of the system with other pieces of equipment in the Neuromechanics Laboratory.

5. Explanation of the efforts taken by the department to determine this is the only source and the efforts used to obtain the best possible price:

The Department of Kinesiology has conducted a thorough evaluation of available EMG systems and determined that the Delsys Trigno system that can be integrated with the MotionMonitor software can meet the department's stringent scientific, operational, and instructional requirements.

- **Internal System Consistency:** The department and Neuromechanics Laboratory currently uses two AMTI force platforms, a motion analysis motion capture system, and a Noraxon EMG system that is over 10 years old. The Delsys Trigno system would be a major upgrade to our current EMG system, and it would integrate with The MotionMonitor software to allow for the integration of all of our systems.
- **Direct Vendor Communication:** MotionMonitor is the exclusive manufacturer and distributor of the MotionMonitor system described above. The department has engaged directly with MotionMonitor to confirm system capabilities and proprietary components and that the Delsys EMG system would integrate with the MotionMonitor system.
- **Negotiated Pricing:** The department is working with MotionMonitor to purchase the most recent model.
- **Long-Term Cost Savings:** Thanks to system durability, long-lifespan sensors, and shared parts with the current units, the department anticipates reduced long-term maintenance and calibration expenses compared to other systems. This system will also allow for upgrades and the additional equipment in the future.
- **Integration:** This Delsys EMG system will integrate with The MotionMonitor system and other equipment in the Neuromechanics Laboratory.

The decision to proceed with a sole source purchase is justified by MotionMonitor's exclusive rights to produce and sell the Delsys Trigno Centro-8 Avanti System with (8) Trigno Avanti Sensors, (2) Trigno Sensor

Interface 80/pk and Trigno Avanti Analog Adaptor with Avanti Analog Input BNC, includes The MotionMonitor Real-time Plug-in for Delsys Trigno, The MotionMonitor EMG Module. This will align with the Neuromechanics laboratory and department's research, teaching, and equipment integration needs.

Any person or entity that objects and proposes that the commodity listed is not sole source and can be provided by another person or entity shall submit a written notice to:

Jennifer Mayfield, CPPO

Interim Deputy Director of Procurement & Contracts

jmayfield@procurement.msstate.edu

Subject Line must read "Sole Source Objection"

The notice shall contain a detailed explanation of why the commodity is not a sole source procurement. Appropriate documentation shall also be submitted if applicable.

If after a review of the submitted notice and documents, MSU determines that the commodity in the proposed sole source request can be provided by another person or entity, then MSU will withdraw the sole source request publication from the procurement portal website and submit the procurement of the commodity to an advertised competitive bid or selection process.

If MSU determines after review that there is only one (1) source for the required commodity, then MSU will appeal to the Public Procurement Review Board. MSU will have the burden of proving that the commodity is only provided by one (1) source.

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