

Mississippi State University

Notice of Proposed Sole Source Purchase

245-119

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):

Make: APDM Wearable Technologies

Model: V2 Kit - 06-Opal Mobility Lab System

Description: 6-Opal Mobility Lab System: Gait and posture analysis system

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:

This system will allow our laboratories to conduct studies of physical functioning in individuals with disabilities and chronic conditions and older adults. It is a cheap alternative to more sophisticated but expensive motion capture systems. It is also portable and can be easily transported to various sites in Mississippi where members of the aforementioned populations reside, thus facilitating our research. The system is sensitive to measuring small changes in various parameters. And it has been shown to be valid and reliable in older adults and individuals with disabilities. It has also been used widely in clinical trials.

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

APDM Wearable Technologies – A Clario company.

Unique features of the Opal V2R Mobility Lab gait and balance analysis system that are not available in other research-grade systems for motion detection, quantification of motion, quantification of movement, or quantification of human movement are noted below.

- Wearable IMU sensor-based movement analysis system that has validated algorithms to instantly produce full body spatiotemporal gait and balance outcome metrics for built in Walk tests with results provided per gait cycle detected.
- Instrumented functional tests for clinical research are included such as Walk, TUG, Sway, 5x Sit to Stand, 360 Degree Turn, CTSIB, and mBESS.
- Opal sensors have the ability to log up to 450h of data for remote data collection, which is especially valuable for testing in real-world environments and to ensure no loss of data.

- Access to unfiltered raw inertial data including orientation estimates through embedded Motion Studio software.

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

\$18,745.00.

This system is an alternative to motion capture systems that cost over \$100,000.

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:

APDM Wearable Technologies is the manufacturer and distributor of the V2 Kit - 06-Opal Mobility Lab System. Dr. Stamatis Agiovlasitis, director of the Disability Research Laboratory, searched for other viable options. The Mobility Lab System is the most advanced and most commonly used system of its kind. Dr. Agiovlasitis negotiated the best price for this system with a company representative.

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

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.