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LIMITED SOURCES JUSTIFICATION (LSJ)
WAHTS WIRELESS AUTOMATED HEARING TEST SYSTEM

1. Defense Logistics Agency (DLA) Troop Support, Medical Supply Chain, Hospital Supply Division, is the contracting activity.

2. The justification is for acquisition supporting California Military Department's (CMD) Consolidated Headquarters Complex (CHQC), hereby referred to CMD. The customer is seeking to acquire an automated hearing test system package: WAHTS Hearing LLC: Wireless Automated Hearing Test System & Accessories. The order can be placed against ECAT Solicitation SPE2DH-21-R-0002 Contract Number SPE2DH-26-D-0007, which is valid through February 23, 2031.

3. The acquisition is for the purchase of the following WAHTS Hearing Test System and related accessories:

Manufacturer: WAHTS Hearing LLC

- **Item Description**: WAHTS WIRELESS AUTOMATED HEARING TEST SYSTEM
- **Manufacturer Part Number**: 6459-010-9003A HW
- **Quantity**: 91
- **Unit Price**: [redacted]

- **Item Description**: WAHTS HEARING TEST SYTEM TABLET
- **Manufacturer Part Number**: 6459-010-9003A ADMIN
- **Quantity**: 13
- **Unit Price**: [redacted]

Manufacturer: SVANTEK

- **Item Description**: WIRELESS SOUND LEVEL METER
- **Manufacturer Part Number**: HEA-COT00021A
- **Quantity:**13
- **Unit Price**: [redacted]

Total Estimated Dollar Value: [redacted]

4. The authority waiving the competition requirements is FAR 8.405-6(a)(1)(i)(B), only one source is capable of providing the supplies or services required at the level of quality required because the supplies or services ordered are unique or highly specialized. The use of this authority is necessary to meet CMD's requirement for Hearing Test System & Accessories; 91 hearing sets, 13 control tablets, and 13 sound meters. The Hearing Test System & Accessories are necessary to provide effective auditory testing as part of a mobile task force effort for state-wide medical events to support mandatory military medical readiness requirements.

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The required Hearing Test System and related accessories must satisfy the following minimum requirements established by CMD:

a. **Hardware/software** – The system must include both hardware and software.
b. **Automated-** The system must provide automated testing.
c. **Bluetooth & Wi-Fi -** The system must have Bluetooth and Wi-Fi connectivity capability.
d. **Sound Attenuation** – The system must have sound attenuation which does not require the use of hearing booths.
e. **Portable -** The system must be portable and wireless.
f. **Asynchronous Testing**– The system must be capable of asynchronous testing.
g. **Test Completion Rate**— The system test program must generate a throughput of one (1) service member every twelve (12) minutes.
h. **Storage Capability-** The system must have the capability to store hearing tests on the device.
i. **File Exportation-** The system must produce exportable data files in the form of Comma-Separated Values (CSV) or Portable Document Format (PDF).
j. **DOEHRS** – The system software must produce results that are formatted to be compatible with DOEHRS-HC (Defense Occupational and Environmental Health Readiness System - Hearing Conservation) database without any modification.

The Automated Hearing Test System and related accessories will be utilized by CMD to conduct hearing evaluations and hearing protection fit tests. The automated hearing test system is comprised of headsets, tablets, and sound level meters (hardware); it also contains software to perform automated hearing tests, and fit tests. The headset is comprised of built-in software and audiometer circuitry that generates calibrated testing sounds. The tablet serves as a user interface guiding patients through self-paced automated tests and recording when patients indicate sound. Results are recorded in real-time with minimal proctor intervention and oversight. The system operates wirelessly with the use of rechargeable batteries and Bluetooth connectivity, requiring no physical tethers to headsets, tablets, or sound meters. Wi-Fi connectivity wirelessly and securely transmits test data to the DOEHRS hearing repository interface. The system can operate without an active internet connection allowing testing to occur across diverse operational settings, including indoor clinics and outdoor field environments. The headsets have sound attenuation that does not require the use of hearing booths. The headsets use large, stiff, heavy ear cup shells lined with thick polyurethane foam to physically block out room noise during hearing tests. This sound attenuation technology maintains test validity and eliminates the need for hearing sound booths. The system's wireless model, integrated software headset-tablet configuration, and sound attenuation eliminate the requirement for permanent sound booths or dedicated clinical infrastructure, enabling it to be portable.

The hearing system uses asynchronous testing for large patient groups. Asynchronous testing allows individuals to begin automated auditory evaluations at varying start times and complete testing at their own pace. When one individual completes testing, the next individual can immediately utilize the unoccupied headset and tablet to begin their own examination. Thus, creating a continuous flow of patient testing without designated appointment times. Additionally, the asynchronous testing system delivers a throughput of one (1) service member every twelve (12) minutes, increasing the total number of participants receiving auditory examinations. This throughput provides an efficient means to complete hearing tests for a large patient population at medical events. Alternatively for synchronous group tests, patients must begin and complete testing at designated times led by a proctor. Synchronous testing may require sound booths, cohort testing, or appointment scheduling. The use of sound booths creates a fixed physical capacity at testing sites. Varying test paces of patients in a cohort affects overall test completion time. The cohort is bound by the speed of its slowest member. If one patient is slow to understand instructions or requires additional attention, the entire cohort is held back. Appointment scheduling assigns fixed time blocks despite patient test pace being highly variable. Assigning rigid time slots

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may result in unutilized minutes, further delaying the next test cycle. The synchronous testing method is restrictive and inefficient to complete auditory evaluations for large patient populations at medical events.

The system's dedicated internal storage capacity retains examination data which can be later accessed and reviewed by auditory clinicians. The test results are generated as exportable data files in CSV or PDF formats when connected to Wi-Fi. CSV and PDF formatted test results provide clinicians with clear data for analytical and diagnostic review. The automated hearing test system is compatible and capable of transmitting test results to DOEHRS-HC without modification. DOEHRS-HC is a web-based database that records and stores complete auditory data of service members for hearing conservation and medical surveillance. The system's software is compatible with the DOEHRS-HC database as it is a Microsoft Windows application. The compatibility allows test data to be directly uploaded into DOEHRS-HC without modification. The database is accessible to all military branches. As service members transfer to new commands, deployment sites, or branches, their auditory health data remains in DOEHRS-HC, ensuring continuity of care.

The WAHTS Hearing test system & accessories identified above are the only products currently available on ECAT or in the commercial market that meet all minimum clinical/technical requirements indicated above.

5. The Contracting Officer has determined the contract prices of supplies under the Equipment ECAT multiple award program fair and reasonable. DLA Troop Support will seek an additional price reduction since the order will exceed the simplified acquisition threshold. The Contracting Officer has determined that this acquisition represents the best value to the Government consistent with FAR 8.404(d).

6. **California Military Department's (CMD)** site teams performed clinical requirement assessments through market research in September 2026. They assessed which companies offer hearing test systems and accessories capable of meeting all minimum requirements. Market research for each system was conducted via web page research directly from each manufacturer's websites. [redacted] system and the [redacted] system were found to have similar hearing test systems and accessories to the WAHTS Hearing system. However, the compiled research concluded that only WAHTS has a system that meets all the minimum clinical/technical requirements.

[redacted] system and the [redacted] systems were reviewed against the identified minimum requirements. Both of the alternative models do not meet the following minimum requirements:

- [redacted] does not meet minimum requirements of 'c', 'd', 'e', 'f', g', 'h', and 'i'. The [redacted] system cannot independently operate without an internet connection and does not have integrated Wi-Fi or Bluetooth wireless connectivity. The system does not have high sound attenuation with active area sound level measurement to conduct valid testing outside of a certified audiometric booth. The [redacted] system is not portable due to its need for hearing booths. Furthermore, the use of hearing booths makes the [redacted] system incapable of asynchronous testing nor providing a throughput of one (1) patient every twelve (12) minutes. The [redacted] system does not have internal storage capability independent of a dedicated host PC and cannot provide direct exportation of data files in CSV or PDF formats.

- [redacted] does not meet minimum requirement 'j'. The [redacted] does not produce results that are formatted to be compatible with DOEHRS-HC database without modification. The [redacted] system operates on its own proprietary iOS application which is not compatible with DOEHRS-HC. The [redacted] system is only capable of generating PDF results that would require manual modifications completed by a technician before upload into DOEHRS-HC.

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Additional market research was completed by DLA Troop Support in October 2026 by reviewing DLA ECAT contract catalogs; no additional sources that meet all the listed requirements were found. The DLA Biomedical Engineer also reviewed similar hearing test systems via web searches and concluded that no additional sources that meet all requirements are available.

The Wireless Automated Hearing Test System & Accessories are available on ECAT via contract SPE2DH-26-D-0007.

7. ECAT vendors have the opportunity to add new products that fall within the scope of the Medical Equipment ECAT program on a quarterly basis. Therefore, any ECAT vendor may add products, including hearing test systems, enhancing competition for future acquisitions.

8. DLA Troop Support continually performs market research of hearing test systems & accessories to identify possible other acceptable sources for future acquisitions, in order to overcome the barriers that led to restricted consideration. Furthermore, DLA will continue market monitoring, however, any new item considered for procurement would be required to meet the Government's minimum clinical requirements. In the event another vendor outside of the Equipment ECAT Program offers hearing test systems, DLA will encourage any such vendor/manufacturer to participate in the Equipment ECAT Program.

9. As the Contracting Officer, I hereby certify that the information contained in this Limited Sources Justification is accurate and complete to the best of my knowledge and belief.

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Date: 2026.11.04 13:17:29 -05'00'

GINA DE SANTO
Contracting Officer, FSH

I hereby certify that the requirements that form the basis of this justification are accurate, that these supplies meet the Government's minimum needs, and that this justification is accurate and complete to the best of my knowledge and belief.

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Product Specialist

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