



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
U.S. ARMY MISSION AND INSTALLATION CONTRACTING COMMAND  
925TH CONTINGENCY CONTRACTING BATTALION  
31 QUARTERMASTER ROAD  
FORT DRUM, NY 13602-5220

MADN-EECS

13 January 2023

MEMORANDUM FOR MICC-Fort Drum

SUBJECT: Brand Name Exact Match Memo for Unison Buy **WestPointEECSBCD0048** of Keysight Signal Test Equipment

1. The Department of Electrical Engineering and Computer Science supports and maintains thirteen electrical engineering laboratories as a core requirement for educating and graduating ABET accredited electrical engineers. As part of the EE curriculum, we are expanding our Electronic Warfare offerings to better serve the needs of the Army. As such, we need to increase the number of several signal test and analysis systems to cover the increased enrollment and emphasis in our laboratories. The Keysight family signal analyzers share the same interface, switch and knob layouts and data presentation characteristics. Additionally, all our laboratory courses utilize the BenchVue software suite to integrate test and diagnostic equipment into a single computer interface for controlling, recording and analyzing test data and only Keysight equipment is fully compatible with BenchVue. While it is crucial to precisely match the make and series of the signal analyzers no specific vendor is required as long as they meet the requirements of this memorandum.
2. I have talked to numerous product representatives of competitor makes and models and all confirmed that their products are not compatible with the BenchVue software suite that is central to our laboratory educational program. Only Keysight products remain fully compatible.
3. The requested Keysight equipment are the only products that will meet the government's requirements for commonality of capabilities and operation.
4. For the reasons listed above, the Department of Electrical Engineering and Computer Science requests that a brand name or particular item(s) purchase of the following equipment:
  - a) Keysight N5173B EXG X-Series Microwave Analog Signal Generator w/ N5173B-540 Frequency range, 9 kHz to 40 GHz, (qty 2)
  - b) Keysight N5166B Vector Signal Generator 9k-6GHz (qty 2)
  - c) Keysight N1914A EPM RF Power Meter (qty 1)
  - d) Keysight U2000 10 MHz – 18 GHz USB power sensor (qty 6)
5. If there are any questions, please contact the Contracting Officer at [usarmy.drum.acc-micc.mbx.micc@army.mil](mailto:usarmy.drum.acc-micc.mbx.micc@army.mil)

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