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## ANDRO Supports Peraton Labs on Navy Beyond 5G Contract



FOR IMMEDIATE RELEASE

ROME, NY — ANDRO Computational Solutions, LLC of Rome, NY, recently announced a contract award from Peraton Labs, Inc. to support Peraton on a Navy initiative for advancing Beyond Fifth Generation (B5G) wireless communications technologies for military tactical edge operations. Peraton Labs, headquartered in Basking Ridge, NJ, was awarded the prime contract under the National Security Technology Accelerator's (NSTXL) Strategic and Spectrum Missions Advanced Resilient Trusted Systems' (S2MARTS) contract vehicle with the Department of the Navy, Naval Surface Warfare Center, Crane Division, IN, to support the S2MARTS B5G initiative.

Peraton Labs will develop and demonstrate new capabilities for dynamic spectrum management at the tactical edge to provide agile and intelligent spectrum sharing that will allow Department of Defense (DoD) operations to integrate with future 5G networked operations. Peraton Labs' Flexible Spectrum Harvesting and Adaptive Reuse Enhancement solution goes beyond spectrum interference sensing and avoidance to enable bidirectional sharing between 5G radio access networks (RANs) and fast-moving military radars residing in the 3<sup>rd</sup> Generation Partnership Project (3GPP) FR1 band (410 MHz to 7.125 GHz).

ANDRO's work under Peraton will focus on enhancing the performance of 5G Open Radio Access Networks (Open RAN) by implementing spectrum sensing and dynamic spectrum access/coexistence mechanisms within a system of systems architecture that enables scaling and automatic reconfiguration under dynamically changing electronic warfare (EW) scenarios at operational tempo. The work will be performed by ANDRO's PRISM teams in Rome and Syracuse, led by ANDRO's Principal Investigator Timothy Woods. PRISM is one of ANDRO's core technologies to advance B5G dynamic spectrum management solutions in support of Multi-access Edge Computing (MEC) applications.

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**About ANDRO:** ANDRO provides research, engineering, and technical services to defense and commercial industries in advanced spectrum exploitation, secure wireless communications, software-based waveform development, cognitive software-defined radio networking, multi-sensor data fusion, and sensor resource management. For more information on ANDRO, including job placements, visit [www.androcs.com](http://www.androcs.com).

**About Peraton Labs:** Peraton Labs is Peraton's applied research organization. We deliver the future—across cybersecurity, electronic warfare, mobility, analytics and networking—to government and commercial customers worldwide. Every day, our employees do the “can't be done” by solving the most daunting challenges facing our customers. Visit [peraton.com](http://peraton.com) to learn how we're safeguarding your peace of mind.