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Quintron Receives NASA Award from Ames Research Center

Santa Maria, CA (March 4, 2009) - Quintron Systems, Inc. (www.quintron.com), the recognized leader in advanced interoperable voice systems and physical access control/intrusion detection systems, is pleased to announce that following a competitive bid process, Quintron Systems received a contract award in September 2008 from NASA Ames Research Center (ARC) for supply of a new Voice-over-IP (VoIP) communications system. This award will provide a new VoIP system to support the ARC Airspace Operations Laboratory (AOL). The AOL is a research facility to investigate improved operational techniques for Air Traffic Control (ATC) operations.

The AOL provides representative ATC personnel operating stations along with "pseudo-pilot" positions to complete the simulation environment. Experiment control personnel design and manage the simulations to test different operating scenarios. Both ATC and "pseudo-pilot" positions will utilize Quintron VoIP for communications, with overall system configuration managed by the simulation control personnel.

The system being provided by Quintron is based on the standard DICES VoIP product, which uses client-server architecture for a unique solution ideally suited for

the flexible requirements of the AOL operation. Several new features will be incorporated to meet more specific AOL needs, including multiple ATC operating screens for airplane and ground communications; two-channel audio paths to accurately simulate normal ATC operating procedures for headset versus speaker audio; and multiple user headset connections to provide for trainer operations at ATC user positions. The AOL will also take advantage of the unique DICES VoIP feature of workgroup voice path assignment, which provides for very low latency on network connections between the ATC operator positions.

“This award is further evidence of the excellent underlying technology of our DICES VoIP product,” said David E. Wilhite, Quintron Vice President, “and we are extremely pleased to establish another NASA customer account right here in our backyard.”

The simulation environment is a new application for DICES VoIP in some ways. Close cooperation with the ARC research personnel following project award resulted in significant adjustments to the initial ARC system requirements. These adjustments incorporated the capabilities of DICES VoIP to better advantage and provided a more realistic set of user interfaces for the critical ATC personnel.

The project is taking place in phases, with the initial delivery of system components completed six weeks after award in early November. Additional features will be incorporated as development work progresses. A substantial initial effort will be to incorporate a number of FAA-ATC features in support of a major customer simulation

program starting in March. Final system feature updates, including interoperable VoIP links to other ARC simulation systems will be completed by June 2009.

For more information about Quintron solutions, call 805.928.4343 or go to www.quintron.com.

About Quintron

For over 38 years, Quintron has provided high technology and cost effective solutions to government and industry in support of mission critical communications and security requirements for command and control applications. No other company offers the depth of expertise found at Quintron in fault tolerant, interoperable communications, and security systems. In addition to providing advanced products and systems, Quintron's professional technical services capability provides a superior level of customer satisfaction. Quintron's engineering services provide off-the-shelf or customized engineering solutions to solve the toughest of challenges facing customers. Find out more about Quintron at www.quintron.com or by calling 805.928.4343.

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NASA Ames Operator Position with DICES VoIP Tablet PC on Desktop



Air Traffic Control Station