

4/16/2015
N151-064-0257

AQUERRE TECHNOLOGIES LLC
ATTN: Noah Jacobsen, Officer
1445 COLBY AVE #3
LOS ANGELES, CA 90025-7844

Subj: N151-064 Cognitive Radio Architectures for Cyberspace Operations

All Small Business Innovation Research (SBIR) Phase I proposals received under the subject Topic published by the Department of Defense (DoD) in the applicable Program Solicitation, have been evaluated. Each proposal was examined in accordance with the criteria listed in the Program Solicitation. In accordance with Federal Acquisition Regulations, FAR 15.503, notice is hereby given of the apparently successful offeror(s):

Azure Summit Technology, Inc.
3050 Chain Bridge Road, Suite 600
Fairfax, VA 22030-2834
N151-064-0315

Geon Technologies, LLC
6990 Columbia Gateway Drive
Suite 300
Columbia, MD 21046
N151-064-0438

Kalos Technologies, Inc.
10814 Waterbury Ridge Ln
Dayton, OH 45458-6057
N151-064-1068

Syncopated Engineering Inc
13136 Williamfield Dr
Ellicott City, MD 21042
N151-064-0481

...and no others.

You may challenge the small business size status of any apparently successful offeror(s) as described in FAR 19.302(a). The Contracting Officer must receive all challenges within five (5) business days of receipt of this notification.

The apparently successful offerors will receive additional information from the ONR SBIR program office within the next month and prior to award. This letter shall not be construed as a commitment of any kind and you are cautioned not to begin work or expend any money for the purposed effort until a contract has been negotiated and signed.

Offeror(s) recommended for contract award must register at Central Contractor Registration, if they have not already done so. All offeror(s) should visit this site to check for any new notices or requirements. The URL is <https://www.sam.gov>

For more information on selected firms, please visit www.navysbir.com and select Browse Phase I Selections. In accordance with section 4.10 of the DoD SBIR Solicitation, if you would like a debrief, your request must be made within 15 days of this notification. Please forward this message to carol.a.jenkins.ctr@navy.mil to request a debrief. Your debrief will be sent via email within 60 days from the date of your request.

Sincerely,

Lore-Anne Ponirakis
Office of Naval Research
loeanne.ponirakis@navy.mil
www.onr.navy.mil/sbir

Proposal Evaluation Debrief N151-064-0257

Proposal Number: N151-064-0257 **Topic Number:** N151-064

Title: Cognitive Radio Architectures for Cyberspace Operations

Firm: AQUERRE TECHNOLOGIES LLC

Evaluator 1

Criteria A

Strength: Error control code (ECC) algorithm already finished.

Weakness: Does not address signal sensing, classification, efficient channelization / demodulation, the cognitive engine including robustness to uncertainty, cooperation with other radios, how cross-banding will be implemented, orthogonalizing transmission, a hand-held SDR design with a visual display of information, and a plan to test this radio with reasons for metrics tested.

Criteria B

Strength: Experience in wireless communications, especially ECC.

Experience in REDHAWK.

Weakness: No mentioned experience in SDR hardware.

Criteria C

Strength: Selling REDHAWK implementation of rate-adaptive ECC.

Weakness: No specific customers identified.

No partnerships or discussions mentioned with prime contractors or manufacturers.

Evaluator 2

Criteria A

Strength: Rate-adaptive LDPC error control code.

Weakness: Did not address spectrum monitoring, signal classification, signal characterization, etc. No details on ASAP protocol (proprietary) which is the key to the proposal.

Criteria B

Strength: Experience in coding and information theory.

Weakness: Could not discern specific SDR, cognitive radio experience.

Criteria C

Strength: Minimally acceptable plan.

Weakness: Scant details.

Evaluator 3

Criteria A

Strength: None.

Weakness: The proposed development of a rate-adaptive Error Control Code does not address any of the requirements listed in the solicitation regarding the development of an innovative algorithm to perform spectrum sensing.

Criteria B

Strength: The PI is highly qualified to develop the proposed error control code.

Weakness: The PI has no experience in technology commercialization.

Criteria C

Strength: The proposer has a well defined target niche for product transition.

Weakness: The commercialization strategy is highly dependent on a DoD/Navy transition and is vague. While a patent approach is specified for private sector markets, there is no identification of a target private industry market.