Bob Zeidman

Mr. Zeidman:

Here are the comments from one of the Air Force scientists that analyzed your proposal. (use rich text to get the emphasis)

SUMMARY:

The offeror proposes to leverage their patented SynthOS SW tool which takes SW tasks written by a developer (C-language) and generates task control and communication code (C-language), and an application specific operating system to manage execution and scheduling of tasks. The output code of the SynthOS tool is in the C programming language so the developer has visibility into everything that is going on in the OS. The resulting application specific operating system is portable to any processor that has a C-compiler. In the technical objectives section of the proposal under the sub-section "Efficient Utilization of System Resources", the offeror says that SynthOS has been shown to efficiently utilize system resources such as RAM and FLASH memory; **however, there is no mention of utilizing multiple processing cores efficiently, which is one of the main objectives of this solicitation.** Furthermore, many of the architectures of interest (e.g., RADSPEED, MAESTRO [Tilera], GPU, FPGA) possess platform specific features that require special parallel constructs to effectively leverage the resources, such as using CUDA to task GPU cores.

The intent of the solicitation was clearly stated: "This topic requests development of a tool that accepts C-language code for a suite of algorithms and outputs optimized code that can be compiled for a selected device."

We clearly stated the devices that we were interested in in the following excerpt from the solicitation:

"PHASE I: Identify/define hardware-aware optimization capes for likely future compute architectures (e.g., RADSPEED, MAESTRO, [Tilera], ARM, GPU, FPGA and X86 64)."

This proposal did not show a path toward generation of code that could effectively task many of the platforms we are interested in.

Because the proposal you submitted did not respond to all of the requirements of the solicitation it was not considered for award.

Christopher S. Cole

Trial Attorney

USAF Commercial Law & Litigation Directorate

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-----Original Message-----
From: Bob Zeidman [mailto:bob@zeidman.biz]
Sent: Tuesday, September 13, 2016 12:52 PM
To: Cole, Christopher S CIV USAF AFLOA (US) <christopher.s.cole8.civ@mail.mil>
Subject: [Non-DoD Source] RE: protest

All active links contained in this email were disabled. Please verify the identity of the sender, and confirm the authenticity of all links contained within the message prior to copying and pasting the address to a Web browser.

It's attached.

-----Original Message-----

From: Cole, Christopher S CIV USAF AFLOA (US) [Caution-mailto:christopher.s.cole8.civ@mail.mil]

Sent: Tuesday, September 13, 2016 9:19 AM

To: Bob Zeidman <bob@zeidman.biz>

Subject: protest

Could you send me a copy of you proposal? I have located the evaluator and he remembers the evaluation but wants to confirm that he is talking about the right proposal. (Remember the SIBR computer is down) I am asking him to walk through his reasons for finding your proposal out of scope and I will

send that to you.

Christopher S. Cole

Trial Attorney

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