

## Q&A for Solicitation Number NNA14492974Q-ATJ

1) Do you require a specific Linux variable and version for compatibility with the mentioned commercial software?

- **RedHawk/CentOS 6**

2) What A2D conversion speeds are required?

- **100Hz per channel**

3) What D2A conversion speeds are required?

- **100 Hz per channel**

4) I assume the D2A conversion size is 16-bits?

- **Correct**

5) What are the voltage limits for the A2D and D2A converters?

- **±10VDC**

6) What serial port types are required and transmission speeds (e.g. RS-422 @ 115Kbaud)?

- **4 ports of RS232/RS422/RS485 at 921.6 kbps**

7) What are the memory and processor specifications needed in order to run the Hardware-In-The-Loop (HITL) simulator software?

- **Processor: 2x Intel 3.2 GHz dual core (quad core desired)**
- **RAM: 12 GB**

8) There is a mention of multiple displays, I assume that that the computer would need to provide at least two display interfaces?

- **Up to four displays required, NVIDIA GPUs preferred**

9) Is there a preferred integration tool set that your software engineers prefer to use?

- **Eclipse is "nice to have"**

10) Does the computer need to be certified to DO-160 standards?

- **No**

11) Regarding “The computer shall have a Real-Time Linux based operating system... Linux has many versions with the most popular being “UBUNTU” or “RED HAT”. All versions of LINUX differ. What specific version of LINUX is required?

- **Red Hawk/CentOS 6**

12) Regarding “The computer shall have sufficient processing power, memory, and graphics capabilities to run a real-time, hardware-in-the-loop simulator with multiple displays.” What is the minimum requirement for processing power and what CPU is required? A single socket Core i7 processor or dual Xeon E5-2600 processors?

- **2x Intel 3.2 GHz dual core (quad cores desired)**

13) Regarding “The computer shall have sufficient processing power, memory, and graphics capabilities to run a real-time, hardware-in-the-loop simulator with multiple displays.” . How much memory (RAM) is required?

- **12 GB**

14) Regarding “The computer shall have sufficient processing power, memory, and graphics capabilities to run a real-time, hardware-in-the-loop simulator with multiple displays.” Is there a specific display card and graphics chipset desired or required?

- **NVIDA GPUs preferred**

15) Regarding “The computer shall have sufficient processing power, memory, and graphics capabilities to run a real-time, hardware-in-the-loop simulator with multiple displays.” How many displays are to be connected? Is a dual-output display capability acceptable? Or do you prefer 3 or 4 simultaneous outputs?

- **Up to four displays required**

**Questions and Answers above as of 04 November 2013**