

**VA242-17-Q-0652 – Upgrade and Installation of CCTV at the Northport VA
Questions and Answers**

1. Question: Can you confirm that there is sufficient room on the existing PoE switches for the new cameras being installed throughout the campus? It was stated during the walk-through that the VA was going to provide all switching hardware and needed ports, which conflicts with statements in the scope of work: B.2, Section 2. Scope of Work, paragraph b, sub-paragraph 2, on Page 5 of 63, where it is stated in part “The switch should be expanded in order to port the additional cameras.”

Question: If the proposer is to provide switching, please provide the interconnectivity desired between switches in a rack [for stacking], and the manufacture and exact model of switches [many manufacturers have a few variations for the same model family.

See attached data sheet and diagram.

Additionally, proposer would have to provide any additional switches/patch panels to accommodate the new cameras at each building. The vendor could use the switch in Building #6 to connect to the network from Building #5 and use Building #10 or #12 to connect from Building #11.

2. Question: Is the proposer to provide Patch Panels or use existing patch panels? If so, please specify the manufacturer and model number [usually a standard within an organization].

See response above.

3. Referring to the statement in the Scope of Work that states:

i. All cameras covered in this scope of work are to be integrated into the existing American Dynamics Video Edge Victor VMS platform or other recommended platform (approved by the government).

Question: does this statement imply that the VA has a Network Video Recorder on hand with sufficient storage to capture recorded video from the new cameras, or does it need a new NVR(s) or does the VA just want additional storage?

Yes, we have six (6) NVRs but storage would have to be expanded in order to accommodate the new cameras. There are three (3) options to expand the necessary storage for the additional cameras.

1) A new NVR to accommodate up to 64 new cameras; remaining cameras connect to existing hybrids:

ADVER30R5N2B VideoEdge 2U NVR, 4 IP camera licenses, 30TB RAID 5 (36 total), 4 NIC, Redundant PS. or similar compatible NVR.

2) Expand internal hard drive capacity of existing units:

ADVER06TBTAD VideoEdge HDD Kit, Compatible with VideoEdge 2U or 3U NVR, 6 TB Hot Plug HD Kit w/Tray

(They all likely have four empty drive bays)

3) Expand total storage with external iSCSI storage system. Up to four NVR/Hybrids can share these devices:

RAID Storage System, 18TB Usable (24TB Total), RAID5

RAID Storage System, 36TB Usable (42TB Total), RAID5

RAID Storage System, 48TB Usable (54TB Total), RAID5

RAID Storage System, 90TB Usable (96TB Total), RAID5

The VA prefers Option #2 (provided the vendor can guarantee proper installation and functionality).

Question: If the proposer quotes an alternative VMS platform that meets or exceeds the features of the American Dynamics VMS, will the proposer need to migrate the existing cameras that are presently on the American Dynamics VMS over to this new VMS system? If so, how many existing IP cameras/analog cameras/analog encoders are currently on the existing American Dynamics system.

Yes. Approximately 143 analog cameras and 25 IP cameras. We are not utilizing encoders. Our NVRs are hybrid with BNC connectors on the back.

Question: Can you describe what information is needed by the VA to submit an "other recommended platform" approved by the government?

A detailed proposal with performance-based evidence that the system will function and exceed the capabilities and performance of the existing platform.

4. Question: Can you please list the existing VMS servers/products being utilized (if we are expanding on the # of cameras to, we'll need to expand on the current VMS servers storage space and need to verify if this is possible).

**Six (6) American Dynamics Hybrid Digital Video Recorders, Model: ADVER06N0H3B
Each unit has 6TB of storage onboard.
American Dynamics Victor IP software package.**

There are enough channels amongst the 6 MVRs to accommodate the additional cameras but storage will have to be increased.

5. Paragraph g. states:

- a. All stationary IP cameras must be at minimum Full HDTV 1080p, 2 MP, up to 60 fps.
Everything else being equal, a 60 frames per second specification severely restricts the choice of cameras that can be proposed.

Question: Is this a specification that the VA would have some flexibility with? It's unlikely that anyone would ever record at 60fps, based on the locations where the cameras will be installed.

Yes. Minimum of 30 fps.