SS07282008B
Sources Sought – AV Design/IV&V
for the U.S. House of Representatives
Committee Broadcast Hearing Room Modernization Program

PURPOSE:
This SOURCES SOUGHT SYNOPSIS is not a solicitation, request for proposal, request for quote or invitation for bid; it is a market research tool. No proposals are being requested or accepted with this synopsis. Any responses submitted are strictly voluntary. The U.S. House of Representative (House) will not pay for any information that is submitted by respondents to this request and any information submitted will belong to House.

INTRODUCTION:
The House is seeking input from qualified sources relative to Audio/Video (AV) design development and Independent Verification/Validation (IV&V). The IV&V is performed upon completion of the AV installation accomplished through another vendor.

To be considered qualified for this effort, potential sources must demonstrate detailed knowledge and experience with each of the items listed below and should have current or having the capability of retaining the necessary staff with five years of experience in the successful design and/or installation of at least ten systems as described below:
   (1) Audio systems design experience that includes:
         a) the use of CobraNet audio networks and CobraNet-enabled devices,
         b) use of Peavey MediaMatrix MWare and Nware,
         c) custom digital signal processing (DSP) and graphical user interface programming of Peavey NWare and Mware,
         d) production of custom Python scripts to allow the DSP to interact with external devices for monitoring and control purposes,
         e) configuration of steerable loudspeakers/arrays,
         f) design of amplifier control and monitoring systems,
         g) design of fault tolerance and redundancy schemes to protect against component failure,
         h) integration of a centralized monitoring system that constantly monitors all remote audio system components and detects faults,
         i) integration of a centralized monitoring system that supports communications with both Peavey NWare and legacy MWare products,
         j) development of software to allow technical staff to be notified immediately if the monitoring system detects any errors or faults, and
         k) audio system troubleshooting and commissioning
   (2) Video/AV system installation experience that includes
         a) use of various display technologies (projection, flat screen monitors, etc.),
         b) use of broadcast quality camera systems,
         c) design and setup of "virtual monitor wall" production displays,
         d) design of centralized camera control to facilitate communications and control of many remote camera systems from a single location, and
         e) video system troubleshooting and commissioning
   (3) Ethernet network design experience that includes

a) the use of Ethernet networks for audio and control signal distribution,
b) design and configuration of network management and control systems using simple network management protocol (SNMP),
c) design of fault tolerance and redundancy schemes to protect against component failure,
d) use of virtual local area networks (VLANs), VLAN tagging, Spanning Tree, Layer 3 routing and virtual router redundancy protocol/extended router redundancy protocol (VRRP/XRRP),
e) use of Power-Over-Ethernet switches to deliver power, audio, and control data over a single cable, and
f) Ethernet Network troubleshooting and commissioning

(4) Control systems experience that includes the design of AMX and/or Crestron control systems.
(5) Experience with "speaker timer" system design e.g. D'San systems.
(6) Experience in simultaneous language translation equipment.
(7) Experience in American Disabilities Act (ADA) compliant systems using both infrared (IR) and inductive loop technologies.
(8) Experience in designing systems to prevent radio frequency (RF) interference from GSM based products.
(9) Experience designing audio/video systems for the broadcast of events via an in-house recording studio.
(10) Experience in designing, setting up, adjusting, and testing audio/video/control systems for use in dedicated hearing/conference rooms that use software and hardware that allow each room to be customized to meet the specific needs of the client.
(11) Experience integrating audio/video/control systems and cabling in a manner that is cohesive with the architectural and historical esthetics of the client's facility
(12) Design experience that includes the inclusion of all of the above disciplines into a single cohesive system
(13) Membership in professional audio/video organizations such as AES, ASA, NSCA, ICIA or SynAudCon.

RESPONSE:
Respondents should include information regarding their capabilities for technical solutions, components and implementation strategies as described above in PDF or MS Word format no later than August 12, 2008. Responses should be no more than twenty (20) pages and include the name, title, email address, telephone number and fax number of a point of contact. Responses should be emailed to toinetta.bridgeforth@mail.house.gov with a copy to lawrence.toperoff@mail.house.gov.

 TELEPHONE OR EMAIL REQUESTS FOR ADDITIONAL INFORMATION WILL NOT BE HONORED.