Request for Proposal

800 MHz Solution NMR Spectrometer

October 12, 2006

Issued by
Procurement Services
Charlottesville, Virginia
This Request for Proposal (RFP) has been posted on Procurement Services web site for your convenience. Addenda and attachments are posted if issued. It is the firm’s responsibility to ensure that the entire RFP and associated links, in its latest version, is reviewed prior to due date of a proposal. To receive a hard copy of the RFP or addenda, please contact Becky Sims, Contracts Administrator, at (434) 924.1346 or email pur-rfp@virginia.edu For questions about the content of the RFP, contact the buyer listed in Section VI, Proposal Deadline. Additional information can be found on Procurement Services web site: [http://www.procurement.virginia.edu/main/](http://www.procurement.virginia.edu/main/)

The University of Virginia (the “University”) seeks a qualified firm to provide a 800 MHz Solution NMR Spectrometer.

For ease of reference, each firm or individual receiving this RFP is referred to as a “firm” and the firm or individual selected to provide services for the University is referred to as the “Selected Firm(s).” This RFP states the instructions for submitting proposals, the procedure and criteria by which a firm may be selected, and the contractual terms by which the University proposes to govern the relationship between it and the Selected Firm(s).

I. Background Information

When Thomas Jefferson founded the University in 1819, he intended it to be nothing less than a world-class institution of higher learning. Jefferson’s spirit lives on – not only in the Rotunda and Academical Village he designed, and which remain treasures of American architecture, but in the University’s standing as a leader in education, research, and community service.

The over 19,850 students attending the University work within a true meritocracy and live by an Honor Code unique among American universities. Each student is exposed to the widest spectrum of disciplines – from arts and athletics to humanities and technology. Our students also enjoy a unique connection to the world beyond college through the University’s outstanding professional training, exemplified by its nationally ranked schools of Law, Business, and Medicine. The University as a whole has had a consistently high ranking not only among public schools, where it often heads the list, but among all American universities, public and private.

Over 11,600 permanent University faculty and staff are committed to serving both the local and national community. The University makes a real difference in the world, through its invaluable research, a hospital ranked among the nation’s finest, and graduates who have consistently been among the forefront of our
nation’s shapers. At the University, our bright future is the direct result of our great history.

The University’s Schools of Medicine and its College of Arts and Sciences have established very successful research programs in the use of nuclear magnetic resonance (NMR) spectroscopy to study the structures and functions of proteins. These studies have direct relevance to the development and treatment of cancer, cardiovascular disease, as well as viral and bacterial pathogenesis. Due to the challenges of the systems being worked on by these investigators, including limitations in solubility and/or stability, lack of dispersion, and a focus on large systems such as integral membrane proteins solubilized in detergents, this group has identified a distinct need for higher field NMR instrumentation on campus. Through this RFP, the University intends to purchase a high-field (18.8 T - 800 MHz \(^1\text{H}\)) NMR spectrometer with an actively shielded magnet, a cryogenically cooled probe, and state of the art radio frequency (RF) electronics including 4 RF channels. This spectrometer will be used for high-resolution multi-dimensional NMR experiments with labeled \((^{15}\text{N}, ^{13}\text{C} \text{ and } ^{15}\text{N}, ^{13}\text{C}, ^2\text{H})\) protein and DNA samples in solution as well as in the presence of various alignment media. The 800 MHz NMR spectrometer with cryogenically cooled probe will provide dramatic enhancements in three critical performance criteria that are essential for the research efforts of the users: 1) a substantial increase in the signal-to-noise (S/N), 2) a substantial increase in the dispersion (spread) of NMR signals, and 3) enhanced performance of TROSY-based experiments. This represents a dramatic enhancement over the capabilities of the current 14 T (600 MHz \(^1\text{H}\)) NMR spectrometers here at the University.

II. Scope of Goods and Services

It is the University's intent to enter into an Agreement with Selected Firm(s) for a high-field (18.8 T) solution NMR spectrometer with cryogenically cooled probe for structural and functional studies of proteins and DNA involved in cancer, cardiovascular disease, and viral and bacterial pathogenesis. The system will provide higher signal-to-noise (S/N), increased dispersion, and enhanced TROSY performance than the University’s existing 14 T (600 MHz) NMR spectrometers. The Selected Firm(s) will provide a complete System which will include all labor, materials, components, taxes, customs duties, freight, insurance, installation, integration, warranty/service, training, and fees, including travel and other expenses which are required to ensure a fully functional and operational System and to help the University achieve its goals as outlined in this RFP (the “Goods and Services”).

The specifications in this section detail key characteristics, components, and functional capabilities of the System to be provided by the Selected Firm(s). The Selected Firm(s) will provide the System, as a part of the Goods and Services to include:
This request is divided into the items A-N listed below. Firms are invited to submit proposals for each of the following five combinations of these items (Proposals 1 - 5 below). The University expects firms that sell magnets but not consoles or probes to submit a proposal on 1 only and firms that sell magnets, consoles and probes to submit a proposal on 2 - 5. Additional accessories or upgrades to the requested systems will also be considered.

Proposal 1  Item A and applicable portions of items K, L, and M (i.e. magnet only)
Proposal 2  Items A-M (i.e. complete system)
Proposal 3  Items B-J and applicable portions of items K, L, and M (i.e. system to be installed with magnet from different vendor)
Proposal 4  Items A-N (complete system plus replacement console)
Proposal 5  Items B-J and N and applicable portions of items K, L, and M (i.e. system to be installed with magnet from different firm and replacement console)

In the case that the magnet and other components are purchased from two different firms, the University expects the two firms to establish an appropriate cooperative agreement where both parties accept responsibility for the system achieving the necessary specifications. This is to include, but is not limited to, the magnet firm providing a console and probe to demonstrate magnet specifications prior to installation of the console and cryoprobe by a second firm.

A. Magnet
1. 800 MHz $^1$H operating frequency (18.8 T)
2. actively shielded magnet – 5 G line to be no more than 4 m radially and 3 m axially during normal operation
3. includes cryoshims, stabilizing legs, and any additional pumps, transfer lines, or other accessories required to operate the magnet system
4. narrow bore (54 mm) magnet for high resolution solution NMR
5. drift rate $\leq$ 10 Hz/hr
6. high-resolution (specification to be supplied by vendor)
7. compatible with addition of cryogenically cooled probe
8. cryogen transfer lines
9. cryogen level meters

Criteria for evaluation will include, in addition to cost, the homogeneity, homogeneity stability, drift rate, ease of maintenance, stability in the event of a power failure, and ease of installation (i.e. siting requirements).

B. Cryogenically cooled $^1$H $\left\{^{13}$C/$^{15}$N$\right\}$ probe
1. includes probe and all necessary accessories for cryogenic operation (vacuum pump, closed cycle chiller, He compressor, anti-vibration components, controller)
2. probe to have $^1$H detection coil cooled to $\leq 25$ °K
3. probe to have cooled $^{13}$C preamp for direct $^{13}$C detection experiments
4. probe to have 4 channel capability (1H, 13C, 15N, 2H)
5. probe to have high salt-tolerance
6. probe to accept both standard 5 mm tubes as well as shaped tubes for overcoming effects of salt on probe performance
7. includes accessories (VT control unit, preconditioning VT unit, air dryer, N2 generator) for high-stability temperature regulation
8. probe to have z-axis gradient capability with at least 60 G/cm capability and $\leq 200$ s recovery time after a 1 ms 30 G/cm gradient pulse
9. probe to have $^1$H pulse $\leq 10$ μs, $^{13}$C pulse $\leq 12$ μs, $^{15}$N pulse $\leq 36$ μs, and $^2$H pulse $\leq 150$ μs on a standard protein sample with moderate salt ($\leq 50$ mM monovalent salt) and with power levels that can be utilized for extended experiments, i.e. do not cause arcing or overheating of probe.

Criteria for evaluation will include, in addition to cost, signal-to-noise in 2- and 3D heteronuclear experiments on protein samples, quality of heteronuclear-edited NOESY spectra, performance specifications for 1H, 13C, 15N, and 2H pulses and decoupling, salt tolerance, performance in triple resonance experiments with 2H decoupling, performance in spinlock experiments including HCCH-TOCSY and 15N CPMG experiments for relaxation measurements, gradient strength and recovery time, and history of probe failures requiring service.

C. RF synthesizers and amplifiers
1. one dual fullband RF system for 800 MHz (synthesizer and amplifier)
2. one dual broadband ($^{15}$N-$^{31}$P) RF system for 800 MHz (synthesizer and amplifier)
3. rf attenuation capability on all 4 channels
4. waveform generation capability on all 4 channels
5. phase shifting capability on all channels

D. Gradient amplifier
1. High performance gradient amplifier with capability of $> 60$ G/cm for a 1 ms gradient pulse
E. RF receiver
1. \( \geq 16 \) bit ADC
2. digital filtering capability

F. Lock transceiver
1. lock system compatible with pulsed field gradients and deuterium decoupling

G. Room temperature shims
1. Enhanced shim system and power supply for 800 MHz magnet

H. Room temperature \(^1\text{H} \{ ^{13}\text{C}/^{15}\text{N} \} \) probe
1. probe to have 4 channel capability (\(^1\text{H}, ^{13}\text{C}, ^{15}\text{N}, ^2\text{H} \))
2. probe to have high salt-tolerance
3. probe to have z-axis gradient capability with at least 60 G/cm capability and \( \leq 200 \) \( \mu \)s recovery time after a 1 ms 30 G/cm gradient pulse
4. probe to have \(^1\text{H} \) pulse \( \leq 10 \) \( \mu \)s, \(^{13}\text{C} \) pulse \( \leq 12 \) \( \mu \)s, \(^{15}\text{N} \) pulse \( \leq 36 \) \( \mu \)s, and \(^2\text{H} \) pulse \( \leq 150 \) \( \mu \)s on a standard protein sample with moderate salt (\( \leq 50 \) mM monovalent salt) and with power levels that can be utilized for extended experiments

I. Workstation
1. One workstation and peripherals for operation of spectrometer
2. supplied with 512 MB RAM
3. supplied with 3 \( \geq 80 \) GB hard drives
4. worktable and 3 chairs

J. Water chiller
If necessary for operation of cryogenically cooled probe, provide one air-cooled refrigerated chiller of user’s choice

K. Software
1. includes all necessary software for spectrometer operation
2. includes software for collection of data on labeled proteins and nucleic acids

Criteria for evaluation will include ease of walk-up use for biomolecular NMR experiments, ease of coding of new pulse sequences, frequency and approach for updates of software for biomolecular NMR, and record of introduction of novel sequences.

L. System Installation and Integration
The Selected Firm(s) will deliver, install and integrate the System at no additional charge. System components will be appropriately matched and integrated to seamlessly operate in a manner that will ensure full
functionality and achievement of the stated specifications. System installation and integration will include all labor, materials, components, taxes, customs duties, freight, insurance, installation (including local rigging and initial cryogen filling), integration, training, and fees, including travel and other expenses which are required to ensure a fully functional and operational System on-site at the University. This includes demonstration of performance specifications on-site.

M. Warranty and Service
The Selected Firm(s) will provide a minimum two-year premium service contract including parts and labor warranty on the System which will incorporate a comprehensive service and maintenance program to ensure that the System remains fully functional and operational. The Selected Firm(s) will respond promptly to University service requests (within 48 hours) to ensure continuous System availability. Field service/maintenance will be provided by qualified technicians who are trained to install and support NMR systems of the technology utilized by the System described in this RFP.

Warranty will commence as of the date of System Acceptance by the University. The Selected Firm(s) warrants that the System, including software and any other components, does not and will not abridge or violate any patent right, copyright, or similar claim or property right.

N. Training
The Selected Firm(s) will provide suitable training for operation, maintenance, calibration, and system administration of the System on-site at the University. Such training will be provided by the Selected Firm(s) for up to ten University personnel, after the System is fully operational at the University. The Selected Firm(s) will provide sufficient training to ensure operation and administrative competency of the System by University personnel. The training will be scheduled/coordinated with the University’s Contract Administrator and will include, but in no way be limited to, modules on:
1. Maintenance of the magnet system
2. Maintenance of the cryogenically cooled probe
3. System Administrator
4. User

O. Replacement console for 600 MHz NMR spectrometer
1. includes RF synthesizers and amplifiers
   a. one dual fullband RF system for 600 MHz (synthesizer and amplifier)
   b. one dual broadband (\textsuperscript{15}N,\textsuperscript{31}P) RF system for 600 MHz (synthesizer and amplifier)
   c. rf attenuation capability on all 4 channels
d. waveform generation capability on all 4 channels
e. phase shifting capability on all channels

2. includes gradient amplifier
   a. High performance gradient amplifier with capability of > 60 G/cm for a 1 ms gradient pulse

3. includes RF receiver
   a. ≥16 bit ADC
   b. digital filtering capability

4. includes lock transceiver
   a. lock system compatible with pulsed field gradients and deuterium decoupling

5. includes workstation
   a. One workstation and peripherals for operation of spectrometer
   b. supplied with 512 MB RAM
   c. supplied with 3 ≥ 80 GB hard drives

6. includes software
   a. includes all current software for spectrometer operation
   b. includes current software for collection of data on labeled proteins and nucleic acids

7. includes full installation of console, demonstration of performance on-site, and move of original console to 500 MHz spectrometer, if desired

III. Basis of Selection

The University will evaluate proposals, and if a firm is to be selected, select the firm on the basis of:
A. The firm’s plan to provide the University with the Services as described in Section II, Scope of Goods and Services;
B. The firm’s experience in providing Goods and Services similar to those described in this RFP, and the experience of the individuals which the firm proposes to provide such Goods and Services;
C. The firm’s references from clients which are comparable to the University;
D. The firm’s financial proposal, including but not limited to discounts, service charges and other charges;
E. The contractual terms which would govern the relationship between the University and the Selected Firm(s);
F. The firm’s plan for the utilization of Small, Women-owned and Minority-owned (SWAM) businesses. (In evaluating the firm’s proposal, the University will assign a minimum of 10 percent of the total selection weight to this individual selection criterion.); and
G. Any other factors relevant to the firm’s capacity and willingness to satisfy the University.
IV. Contents of Proposal

Firms should provide this information:

A. Services
   1. State the firm’s ability to provide the Services as described in Section II, Scope of Goods and Services. Provide a brief history of the firm and its experience, qualifications and success in providing these Goods and Services.
   2. Describe the experience of the individual(s) who would be responsible for providing the Services to the University.
   3. Describe in detail how the firm plans to deliver, install and integrate the System, including how the firm will work with the University to ensure provision of an operational System in a timely fashion.
   4. State the firm’s references comparable to the University, including the name and telephone number of a contact person the University may call.
   5. Provide the name of the individual responsible for the firm’s supplier diversity program. This individual is responsible for implementing and reporting on the firm’s Small, Women-owned and Minority-owned (SWAM) program as it will relate to this procurement should the firm be selected.

B. Financial Proposal
   1. Describe the firm’s proposed fee for providing a fully functional and operational System as described in this RFP. The firm must detail all Goods and Services’ fees associated with purchasing and maintaining the System including labor, material components, delivery, installation, integration, training, service, travel and any other expenses necessary to ensure a turnkey System.
   2. Provide a copy of the firm's most recent audited financial statements.
   3. Describe how the University will be charged. Include any additional discounts available for early payment of invoices.
   4. Describe how the University will benefit from cost savings by accepting the firm's proposal.
   5. State the firm's capability for accepting electronic payments through Electronic Data Interchange (EDI) or Automated Clearing House (ACH) and any additional discounts that may result from paying electronically. Information about the Commonwealth of Virginia's Financial Electronic Data Interchange (FEDI) program is available on this web site:

   http://www.doa.state.va.us/procedures/GeneralAccounting/EDI/edinew.htm
C. Contractual Arrangements
1. State the firm’s acceptance of Attachment 1, Mandatory Contractual Provisions;
2. State the firm’s acceptance, with any proposed modifications, of Attachment 2, Preferred Contractual Provisions; and
3. Provide any contract the firm will request that the University sign.
4. Provide a written statement with the firm’s proposal that its principals or legal counsel has reviewed Attachment 1, Mandatory Contractual Provisions, and Attachment 2, Preferred Contractual Provisions, and agrees that these provisions will become a part of any final agreement.

D. Site Visits
It may be necessary or desirable for the University's evaluation team of less than five people to travel to a site chosen jointly by the firm and the University to view its operation. Each firm will indicate whether it will reimburse the University for the reasonable and actual expenses (travel, lodging, meals, etc.) incurred by the University for its travel.

E. Virginia Freedom of Information Act
Except as provided below, once an award is announced, all proposals submitted in response to this RFP will be open to the inspection of any interested person, firm or corporation, in accordance with the Virginia Freedom of Information Act. Trade secrets or proprietary information submitted by firms as part of its proposal will not be subject to public disclosure under the Virginia Freedom of Information Act; however, the firm must invoke the protections of this section prior to or upon submission of its proposal, and must identify the specific data or other materials to be protected and state the reasons why protection is necessary. Firms may not request that its entire proposal be treated as proprietary information.

F. Small, Women-owned and Minority-owned (SWAM) Business
Specify whether the firm is a SWAM. Firms can only be considered a Small, Women-owned or a Minority-owned Business Enterprise, if certified by the Commonwealth of Virginia’s Department of Minority Business Enterprise (DMBE). All certified SWAM firms will be assigned a specific identification number. No SWAM firm is required to certify under this program and no SWAM firm will be excluded from doing business with the Commonwealth because of their failure to certify as a SWAM firm.

The Commonwealth’s definitions are:
- **Minority-owned Business Enterprise** means a business concern which is at least 51 percent owned by one or more minorities or in
the case of a corporation, partnership or limited liability company or other entity, at least 51 percent of the equity ownership interest in which is owned by one or more minorities and whose management and daily business operations are controlled by one or more of such individuals.

- **Minority Individual** means a person who is a citizen of the United States or a legal resident alien and who satisfies one or more of the following definitions:
  - "Asian Americans" means all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands, including but not limited to Japan, China, Vietnam, Samoa, Laos, Cambodia, Taiwan, Northern Marinas, the Philippines, U. S. territory of the Pacific, India, Pakistan, Bangladesh and Sri Lanka and who are regarded as such by the community of which these persons claim to be a part.
  - "African Americans" means all persons having origins in any of the original peoples of Africa and who are regarded as such by the community of which these persons claim to be a part.
  - "Hispanic Americans" means all persons having origins in any of the Spanish speaking peoples of Mexico, South or Central America, or the Caribbean Islands or other Spanish or Portuguese cultures and who are regarded as such by the community of which these persons claim to be a part.
  - "Native Americans" means all persons having origins in any of the original peoples of North America and who are regarded as such by the community of which these persons claim to be a part.
  - "Eskimos and Aleuts" means all persons having origins in any of the peoples of Northern Canada, Greenland, Alaska, and Eastern Siberia and who are regarded as such in the community of which these persons claim to be a part.

- **Small Business Enterprise** means an independently owned and operated business which, together with affiliates, has 250 or fewer employees, or average annual gross receipts of $10 million or less averaged over the previous three years. Nothing in this provision prevents a program, agency, institution or subdivision from complying with the qualification criteria of a specific state program or a federal guideline to be in compliance with a federal grant or program.

- **Woman-owned Business Enterprise** means a business concern which is at least 51 percent owned by one or more women who are U.S. citizens or legal resident aliens, or in the case of a corporation, partnership or limited liability company or other
entity, at least 51 percent of the equity ownership interest in which is owned by one or more women, and whose management and daily business operations are controlled by one or more of such individuals.

If the firm is not a SWAM firm, describe the firm’s partnering relationships with SWAM firms and how it plans to support the University’s goal to increase business annually by 5% with these firms in accordance with Attachment 4, Executive VP and COO’s Request for Commitment letter.

V. Preproposal Questions

Firms receiving this RFP will have the opportunity to ask questions about this RFP. Questions must be submitted by e-mail to the buyer listed below by 5:00 p.m., Tuesday, October 17, 2006 for the University to guarantee a timely response prior to the proposal due date. Answers to the questions will be sent to all Firms receiving the RFP from the University. If a Firm did not receive the RFP from the University and wants a copy of the response to questions, they must notify Becky Sims, (434) 924-1346 or via e-mail (pur-rfp@virginia.edu) to be added to the list of receiving firms.

VI. Proposal Deadline

All proposals must be received at the University of Virginia, Procurement Services, 1001 North Emmet Street, Carruthers Hall, P. O. Box 400202, 1001 North Emmet Street, Charlottesville, VA 22904-4202 by 3:00 p.m., Tuesday, October 24, 2006. Seven copies of each proposal must be provided.

Any questions concerning this RFP will be directed to the buyer as listed below and not to any other person at the University, with the exception of issues directly related to SWAM business and SWAM subcontracting opportunities. Such SWAM issues may be alternately directed to Bill Cooper, the University’s Director of Supplier Diversity, at (434) 924-7174 or wsc6ja@virginia.edu. The University will determine whether any addenda should be issued as a result of any questions raised or other matters raised.
Lori Ponton, Senior Buyer  
Telephone: (434) 924-4216  
Fax: (434) 982-2690  
TDD: (434) 982-HEAR  
Email: lp3s@virginia.edu

VII. Procurement Schedule

Here is a brief schedule for this procurement, specifying the important dates and milestones:

Issue Date of RFP: 10/12/06  
Preproposal Questions: 10/17/06 (no later than 5:00 p.m.)  
Deadline for Receipt of Proposals: 10/24/06  
Site Visits: 11/03/06 to 11/20/06  
Negotiations: Week of 11/27/06  
Contract Award: 12/20/06
Attachment 1
Mandatory Contractual Provisions

A. Nondiscrimination
During the performance of this Agreement, the Selected Firm(s) will comply with the contract provisions contained in Section 2.2-4311 (1) & (2) of the Code of Virginia or any successor provisions which may be applicable to this Agreement. Also, in accordance with Section 2.2-4343.1, the University does not discriminate against faith-based organizations.

B. Conflict of Interests
The Selected Firm(s) represents to the University that its entering into this Agreement with the University and its performance through its agents, officers and employees does not and will not involve, contribute to nor create a conflict of interest prohibited by the Virginia State and Local Government Conflict of Interests Act (Va. Code 2.2-3100 et seq), the Virginia Ethics In Public Contracting Act (Va. Code 2.2-4367 et seq), the Virginia Governmental Frauds Act (Va. Code 18.2-498.1 et seq) or any other applicable law or regulation.

C. Assignment
Neither party to this Agreement will have the right to assign this Agreement in whole or in part without the prior written consent of the other.

D. Amendments
No amendment of this Agreement will be effective unless it is reduced to writing and executed by the University's Director of Procurement Services and by the individual signing the Selected Firm(s) proposal or by other individuals named by either party as specified in Section E, Notices below. If the Selected Firm(s) deviates from the terms of this Agreement without a written amendment, it does so at its own risk.

E. Notices
Any notice required or permitted to be given under this Agreement shall be in writing and shall be deemed duly given: (1) if delivered personally, when received; (2) if sent by recognized overnight courier service, on the date of the receipt provided by such courier service; (3) if sent by registered mail, postage prepaid, return receipt requested, on the date shown on the signed receipt: or (4) if sent by facsimile, when received (as verified by sender’s machine) if delivered no later than 4:00 p.m. (receiver’s time) on a business day or on the next business day if delivered (as verified by sender’s machine) after 4:00 p.m. (receiver’s time) on a business day or on a non-business day. All such notices shall be addressed to a party at such party’s address or facsimile number as shown below.
If to the University:
Eric N. Denby
Director of Procurement Services
University of Virginia
Carruthers Hall
1001 North Emmet Street
P. O. Box 400202
Charlottesville, Virginia     22904-4202
Fax:   (434) 924-6154

If to the Selected Firm(s):

The person signing the Selected Firm's proposal in response to the University's RFP, at the Selected Firm's address indicated in such proposal; or to such other person or address as either may designate for itself in writing and provide to the other.

F. Independent Contractor
The Selected Firm(s) is not an employee of the University, but is engaged as an independent contractor. The Selected Firm(s) will indemnify and hold harmless the Commonwealth of Virginia, the University, and its employees and agents, with respect to all withholding, Social Security, unemployment compensation and all other taxes or amounts of any kind relating to the Selected Firm's performance of this Agreement. Nothing in this Agreement will be construed as authority for the Selected Firm(s) to make commitments which will bind the University, or to otherwise act on behalf of the University, except as the University may expressly authorize in writing.

G. Worker's Compensation and Employers Liability
The Selected Firm(s) will comply with all federal or state laws and regulations pertaining to Worker's Compensation Requirements for insured or self-insured programs.

H. Drug-Free Workplace
The Selected Firm(s), its agents and employees are prohibited, under the terms of this Agreement, Code of Virginia Section 2.2-4312, and the Commonwealth of Virginia, Department of Human Relations Management Policy Number 1.05, from manufacturing, distributing, dispensing, possessing, or using any unlawful or unauthorized drugs or alcohol while on University property.

During the performance of this Agreement, the Selected Firm(s) agrees to 1) provide a drug-free workplace for the Selected Firm's employees; 2) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Selected Firm's workplace and specifying the actions that will be
taken against employees for violations of such prohibition; 3) state in all solicitations or advertisements for employees placed by or on behalf of the Selected Firm(s) that it maintains a drug-free workplace; and 4) include the provisions of the foregoing clauses in every subcontract or purchase order of over $10,000, so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, "drug-free workplace" means a site for the performance of work done in connection with a specific agreement awarded to a Selected Firm, the employees of whom are prohibited from engaging in the unlawful manufacturing, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the agreement.

I. Information Technology Access Act
In accordance with § 2.2-3504 of the Code of Virginia, the following will apply to all information technology Agreements:

NON-VISUAL ACCESS TO TECHNOLOGY: All information technology (the "Technology") which is purchased or upgraded by the University will comply with the following non-visual access standards from the date of purchase or upgrade until the expiration of the Agreement:

- Effective, interactive control and use of the Technology will be readily achievable by non-visual means;
- Technology equipped for non-visual access will be compatible with information technology used by other individuals with whom any blind or visually impaired user of the Technology interacts;
- Non-visual access technology will be integrated into any networks used to share communications among employees, program participants or the public; and
- Technology for non-visual access will have the capability of providing equivalent access by non-visual means to telecommunications or other interconnected network services used by persons who are not blind or visually impaired.

Compliance with the foregoing non-visual access standards will not be required if the Director of Procurement Services, University of Virginia determines that 1) the Technology is not available with non-visual access because the essential elements of the Technology are visual and 2) non-visual equivalence is not available.

Installation of hardware, software, or peripheral devices used for non-visual access is not required when the Technology is being used exclusively by individuals who are not blind or visually impaired, but applications programs and underlying operating systems (including the format of the data) used for the manipulation and presentation of information will permit the installation and effective use of non-visual access software and peripheral devices.
If requested, the Agreement must provide a detailed explanation of how compliance with the foregoing non-visual access standards is achieved and a validation of concept demonstration.

J. eVA Business To Government Registration
The eVA Internet electronic procurement solution, web site portal [www.eva.state.va.us](http://www.eva.state.va.us), is the Commonwealth of Virginia's comprehensive electronic procurement system. The portal is the gateway for firms to conduct business with state agencies and public bodies. All agencies and public bodies are expected to utilize eVA. All firms desiring to provide goods and/or services in the Commonwealth are encouraged to participate in the eVA Internet e-procurement solution. The Selected Firm(s) are required to register in the eVA Internet e-procurement solution prior to an award being made.

K. eVA Transaction Fee
The Selected Firm(s) agrees, by accepting an award as a result of this RFP, that it is subject to an eVA transaction fee of 1% capped at $500, for which the Selected Firm(s) will be invoiced by American Management Systems, Inc. Additional information is available at [www.eva.state.va.us](http://www.eva.state.va.us).

L. Contractor License Requirements
State statutes and regulatory agencies require that some firms be properly registered and licensed, or hold a permit, prior to performing specific types of services. If firms provide removal, repair, improvement, renovation or construction-type services they, or a qualified individual employed by the firm, must possess and maintain an appropriate State of Virginia Class A, B, or C Contractor License (as required by applicable regulations and value of services to be performed) for the duration of the Agreement. It is the firm’s responsibility to comply with the rules and regulations issued by the appropriate State regulatory agencies.

License #________________ Type________________

A copy of the license must be furnished upon request to the University or VASCUPP member institution.
Attachment 2  
Preferred Contractual Provisions

A. Goods and Services
   During the term of this Agreement, the Selected Firm(s) will provide for the University the goods and services offered to the University by the firm in its proposal and/or any addenda to its proposal which has been approved in writing by the University and as may be further specified by the University in writing when it selected the firm.

B. Term of the Agreement
   The term of this Agreement will be for two years from the date of final University accepted installation, and will include a minimum two-year premium service warranty contract as stated in Section II, Scope of Goods and Services, Part L, Warranty and Service.

C. Contract Administrator
   The University will identify a Contract Administrator for any Agreement which results from this RFP. The individual will be the point of contact at the University for day-to-day operations, but cannot approve amendments to the Agreement or price changes.

D. Waiver
   No waiver of any right will be deemed a continuing waiver, and no failure on the part of either party to exercise wholly or in part any right will prevent a later exercise of such or any other right.

E. Indemnification
   The Selected Firm(s) will indemnify and hold harmless The Commonwealth of Virginia, The Rector and Visitors of the University of Virginia, and their agents, employees and officials from any and all costs, damage or loss, claims, liability, damages, expenses (including, without limitation, attorneys' fees and expenses) caused by or arising out of the performance or non performance of the Agreement by the Selected Firm(s) or its agents or subcontractors, including the provision of any services or products. The Selected Firm(s) warrants that the products, goods and services provided the University may be used by the University without being in violation of any copyright, patent or similar property right or claim by others and will defend, indemnify and hold harmless the University (its employees and agents) from and against any such claim.
F. Governing Law
This Agreement will be governed in all respects by the laws of the Commonwealth of Virginia.

G. Termination
If the Selected Firm(s) fails to provide quality goods or services in a professional manner, solely as determined by the University, and, upon receipt of notice from the University, does not correct the deficiency, to the University's satisfaction within a reasonable period of time, not to exceed five calendar days unless otherwise agreed to by both parties in writing, the University reserves the right to terminate this Agreement upon written notice to the Selected Firm(s).

H. Non-Appropriation
Funding for any Agreement between the University and a Selected Firm is dependent at all times upon the appropriation of funds by the Virginia General Assembly and/or any other organization of the Commonwealth authorized to appropriate such funds. In the event that funding to support this Agreement is not appropriated, whether in whole or in part, then the Agreement may be terminated by the University effective the last day for which appropriated funding is available.

I. Right of Audit
The University reserves the right to audit or cause to be audited the Selected Firm's books and accounts regarding the University's account at any time during the term of this Agreement and for five years thereafter. The Selected Firm(s) will make available to the University all books and records relating to performance of this Agreement as may be requested during said period.

J. Contractual Claims
This Agreement is subject to the University's policy on Contractual Claims which is provided as Attachment 3, Procedure for Resolution of Contractual Claims.

K. Insurance
Listed below is the insurance the Selected Firm(s) must maintain under any Agreement resulting from this RFP. In no event should the Selected Firm(s) construe these minimum required limits to be their limit of liability to the University. The Selected Firm(s) will maintain insurance which meets or exceeds the requirements of the University with insurance companies that hold at least an A- financial rating with A.M. Best Company. No Agreement will be executed by the University until the Selected Firm(s) satisfies the insurance requirements of the University. The Selected Firm(s) may be required to provide the University with a valid Certificate of Insurance before providing any goods or services to the University. The University reserves the right to approve any insurance proposed by the Selected Firm(s).
Comprehensive Commercial General Liability
The Selected Firm(s) and any Subcontractor will maintain a minimum combined single Limit of Liability for bodily injury and property damage of $1,000,000 per occurrence with an aggregate of $3,000,000, to include coverage for premise/operations, products/completed operations, contractual, and personal injury.

Commercial Automobile Liability
The Selected Firm(s) and any Subcontractor will maintain a minimum combined single Limit of Liability for bodily injury and property damage of $1,000,000 per accident, to include coverage for all owned, hired and non-owned vehicles.

Workers Compensation/Employers Liability
The Selected Firm(s) and any Subcontractor will maintain workers compensation insurance that provides coverage in accordance with the Workers Compensation Act of Virginia, and also maintain employers liability coverage with limits of at least $300,000.

Additional Insured
The Selected Firm(s) and any Subcontractor will add the following to its commercial general liability insurance as an additional insured: The Commonwealth of Virginia and the Rector and Visitors of the University of Virginia, its officers, employees, and agents.

L. Use of Agreement by Third Parties
In accordance with Section 2.2-4304 of the Code of Virginia, these organizations may have access to any Agreement resulting from this RFP to allow for cooperative purchasing by only the Virginia Association of State College and University Purchasing Professionals (VASCUPP) and all other Commonwealth of Virginia public institutions of higher education (to include four-year, two-year and community colleges). Current VASCUPP member institutions include: College of William and Mary, George Mason University, James Madison University, Old Dominion University, Radford University, University of Virginia, Virginia Commonwealth University, Virginia Military Institute, and Virginia Polytechnic Institute and State University. A list of all other Virginia Public Colleges and Universities is available at http://www.ExploreVirginiaColleges.com/.

In addition, access to the Agreement may also be extended to 1) Any University related foundation, and 2) City of Charlottesville and County of Albemarle. Potentially, other member schools of the Atlantic Coast Conference (ACC) may also have access to any Agreement resulting from this RFP if such access is confirmed by the University. The other ACC member schools which may potentially participate are: Boston College, Clemson University; Duke University; Florida State University; Georgia Institute of Technology, University
of Miami, North Carolina State University; University of Maryland, University of Miami, University of North Carolina; Wake Forest University, and Wake Forest University Health Sciences. Other institutions which may participate include Emory University.

Participation in this cooperative procurement is strictly voluntary. If authorized by the Selected Firm(s), the Agreement will be extended to the public bodies indicated above to purchase at the fees in accordance with the terms of the Agreement. The Selected Firm(s) will notify the University in writing of any such institutions accessing the Agreement. No modification of the Agreement or execution of a separate agreement is required to participate. The Selected Firm(s) will provide semi-annual usage reports for all VASCUPP member institutions and public institutions accessing the Agreement. Participating public bodies will place their own orders directly with the Selected Firm(s) and will fully and independently administer use of the Agreement to include contractual disputes, invoicing and payments without direct administration from the University. The University will not be held liable for any costs or damages incurred by any other participating public body as a result of any authorization by the Selected Firm(s) to extend the Agreement. It is understood and agreed that the University is not responsible for the acts or omissions of any VASCUPP member institution, or of any other entity accessing the Agreement under this section, and will not be considered in default of the Agreement no matter the circumstances.

Use of this Agreement does not preclude any participating public body from using other agreements or competitive procurement processes as required by law.

M. Favored Nations
The Selected Firm(s) represents that the prices, terms, warranties, and benefits specified in its proposal are comparable to or better than the equivalent terms being offered by the firm to any present customer.

N. Payment Terms
Invoices submitted to the University for Services will be paid Net 30 days after receipt and University approval of invoice.

O. Cancellation of Contract
The University reserves the right to cancel this Agreement, in part or in whole, without penalty, upon 30 days written notice to the Selected Firm(s). Any Agreement cancellation notice will not relieve the Selected Firm(s) of the obligation to deliver and/or perform on all outstanding issues prior to the effective date of cancellation.
P. Small, Women-owned and Minority (SWAM) Business Reporting
The Selected Firm(s) will identify and fairly consider SWAM firms for subcontracting opportunities when qualified SWAM firms are available to perform a given task in performing for the University under the resulting Agreement. The Selected Firm(s) will submit a quarterly SWAM business report to the University by the 8th of the month following each calendar quarter, specifically the months of April, July, October, and January. The Selected Firm(s) will submit the quarterly SWAM business reports to:

Nancy Noblette
Administrative Assistant to the Director of Procurement Services
E-mail: nrn9g@virginia.edu

The quarterly SWAM business reports will contain this information:

- SWAM firms name, address and phone number with which the Selected Firm(s) has contracted over the specified quarterly period.
- Contact person at the SWAM firm who has knowledge of the specified information.
- Type of goods and/or services provided over the specified period of time.
- Total amount paid to the SWAM firm as it relates to the University’s account.

The Selected Firm’s failure to provide SWAM reports on a quarterly basis which contain the information required by this section and/or the Selected Firm’s failure to comply with the plan for utilizing SWAM businesses submitted by the Selected Firm(s) as part of its proposal and/or negotiation response may be grounds for debarment pursuant to Section 4.M. of the “Purchasing Manual for Institutions of Higher Education and their Vendors.”

Q. Intellectual Property Rights/Disclosure
Unless expressly agreed to the contrary in writing, all goods, products, materials, documents reports, writings, video images, photographs or papers of any nature including software or computer images prepared or provided by the Selected Firm(s) (or its subcontractors) for the University will not be disclosed to any other person or entity without the written permission of the University. The Selected Firm(s) warrants to the University that the University will own all rights, title and interest in any and all intellectual property rights created in the performance or otherwise arising from any Agreement resulting from this RFP and will have full ownership and beneficial use thereof free and clear of claims of any nature by any third party including without limitation copyright or patent infringement claims. The Selected Firm(s) will execute any assignments or other documents needed for the University to perfect such rights. Notwithstanding the foregoing, for research collaboration pursuant to subcontracts under sponsored research agreements administered by the University's Office of Sponsored Programs, intellectual property rights will be governed by the terms of the grant or contract to the
University to the extent such grant or contract requires intellectual property terms to apply to subcontractors.
Section 2.2-4363 of the Virginia Public Procurement Act requires contractors with the University to submit any claims, whether for money or other relief, in writing no later than 60 days after final payment, however, written notice of the contractors intention to file such a claim must be given at the time of the occurrence or beginning of the work upon which the claim is based.

The University's procedure for deciding such contractual claims is:

A. The Selected Firm(s) must provide the written claim to:
   Assistant Director of Procurement Services
   University of Virginia
   1001 North Emmet Street
   P. O. Box 400202
   Charlottesville, Virginia 22904-4202

B. Although the Selected Firm(s) may, if it chooses, attempt to resolve its claim by dealing with a University department other than the one stated in Section A above, the Selected Firm(s) must submit any unresolved claim in writing no later than 60 days after final payment to the Assistant Director of Procurement Services if it wishes to pursue its claim.

C. Upon receiving the written claim, the Assistant Director of Procurement Services will review the written materials relating to the claim and decide whether to discuss the merits of the claim with the Selected Firm(s). If such discussion is to be held, the Assistant Director of Procurement Services will contact the Selected Firm(s) and arrange such discussion. The manner of conducting such discussion will be as the Assistant Director and the Selected Firm(s) mutually agree.

D. The Assistant Director of Procurement Services will mail his or her decision to the Selected Firm(s) within 60 days after receipt of the claim. The decision will state the reason for granting or denying the claim.

E. The Selected Firm(s) may appeal the decision to:
   Director of Procurement Services
   University of Virginia
   Carruthers Hall
   1001 North Emmet Street
   P.O. Box 400202
   Charlottesville, Virginia 22904-4202
F. Upon receiving the written appeal, the Director of Procurement Services will review the written materials relating to the claim and decide whether to discuss the merits of the claim with the Selected Firm(s). If such discussion is to be held, the Director of Procurement Services will contact the Selected Firm(s) and arrange such discussion. The manner of conducting such discussion will be as the Director of Procurement Services and the Selected Firm(s) mutually agree.

G. The Director of Procurement Services will mail his or her decision to the Selected Firm(s) within 60 days after the Director of Procurement Services receipt of the appeal. The decision will state the reasons for granting or denying the appeal.
Executive Vice President and Chief Operating Officer’s Request for Commitment

Greetings:

The quality of service the University of Virginia is able to deliver to its customers is directly related to the excellent support we receive from you and many other outstanding suppliers of goods and services. Without you, we would not be able to fulfill our educational, health care and research missions. An important part of our procurement program involves our commitment to doing business with small, women- and minority-owned (SWAM) businesses. As one of our most important vendors, we look to you to help us achieve this objective.

We conduct substantial business with small firms. We have been less effective in securing long-term business relationships with minority- and women-owned businesses. We are determined to improve our record.

I seek your assistance in two areas. First, to the extent practical, I ask that you involve small, women- and minority-owned businesses in the delivery of services you provide to UVa. Second, I seek your help in reporting your results through our quarterly subcontracting reports. The terms and conditions previously provided to your organization outlined this process.

This effort is important to us. We depend on you in so many ways – this is another way that we can partner with your company to make things better.

Sincerely,

Leonard W. Sandridge
Executive Vice President and Chief Operating Officer

LWS:dr

Madison Hall · Post Office Box 400228 · Charlottesville, Virginia 22904-4228