



DR. GIOVANNI PAU
DEPARTMENT OF COMPUTER SCIENCE
THE HENRY SAMUEL SCHOOL OF ENGINEERING AND APPLIED SCIENCE
3803 BOELTER HALL
CAMPUS BOX 951596
LOS ANGELES, CALIFORNIA 90095-1596
(310) 206-3212
FAX (310) 825-7578 (UCLACSD)

Los Angeles, May 15, 2010

**To: Federal Communication Commission.
Office of Engineering and Technology (OET)**

Re: Experimental WiMax License for UCLA within the NSF funded project GENI.

Dear Sirs,

the UCLA computer science department has been recently awarded by the NSF with a research grant on network communications under the under the Global Environment for Network Innovations (GENI) project. GENI is open and broadly inclusive initiative, providing collaborative and exploratory environments for academia, industry and the public to catalyze groundbreaking discoveries and innovation in emerging global networks.

UCLA will install initially one base station on top of the Boelter Hall building and thereafter a second one on top of Hedix Hall, the base stations will be used to communicate with mobile nodes around campus installed in the UCLA campus vehicular testbed. (see. <http://vehicular.cs.ucla.edu/home.do> and <http://cvt.cs.ucla.edu>)

The whole infrastructure will be integrated within the GENI nation-wide network testbed that includes other WiMax Sites as well as numerous wired internet test sites.

The WiMax base stations used by GENI investigators are produced by NEC specifically for GENI and they are experimental. The base stations are built such that base-band unit can be easily moved between buildings for testing purposes but the radio outdoor is installed on to of the buildings. While I indicated 3 sites only two of them will be used at the same time in the frequency of 2572MHz and 2590MHz. A search on the FCC database indicates those two frequencies as available and a preliminary measurement campaign confirms there are no emitting stations on those frequencies.

I'm attaching a copy of the contract with the GENI GPO.

Please do not hesitate to contact me for any further information you may need
Best Regards

A handwritten signature in black ink, appearing to read "Giovanni Pau".

Giovanni Pau, PhD

Ph: 310-206-3212

gpau@cs.ucla.edu

<http://www.cs.ucla.edu/~gpau>

CONTRACT

between

BBN TECHNOLOGIES CORP.

and

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

ON BEHALF OF ITS LOS ANGELES CAMPUS

1 OCTOBER 2009

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THIS AGREEMENT NO. 1797, made as of this DAY day of MONTH 2010 (the "Effective Date") by and between BBN Technologies Corp., serving as the GENI Project Office ("GPO") having a place of business at 10 Moulton Street, Cambridge, MA 02138-1119; and The Regents of the University of California on behalf of its Los Angeles Campus ("Contractor") having a place of business at 11000 Kinross Avenue, Suite 200, Los Angeles, CA 90095-1406.

WHEREAS, GPO has entered into a contract with the National Science Foundation ("NSF"); and

WHEREAS, GPO desires to enter into an agreement ("Agreement") with Contractor on a Cost Reimbursement basis to acquire the services specified in Article I in accordance with the terms and conditions of this Agreement; and

WHEREAS, Contractor desires to enter into an agreement to perform the services specified in Article I in accordance with the terms and conditions of this Agreement; and

NOW, THEREFORE, in consideration of these premises, and of the mutual promises and covenants contained in this Agreement, the parties agree as follows:

ARTICLE I: STATEMENT OF WORK

Contractor shall provide all materials, labor, equipment and facilities, except as specified herein to be furnished by GPO, and shall use reasonable efforts to perform the services as set forth in the Statement of Work, attached hereto as Exhibit A ("Statement of Work"), in accordance with the terms and conditions set forth herein. The parties understand and agree that time is of the essence of this subcontract.

If this Agreement is terminated prior to completion, Contractor agrees to provide a final report in accordance with the requirements set forth in this Agreement. During the life of this Agreement, the Contractor shall continuously reserve sufficient funds from the amount allotted to guarantee the preparation and delivery of said final report.

The goods/services that the Contractor is to provide are detailed in this Agreement inclusive of all Exhibits and Attachments and shall be furnished in accordance with the Agreement schedule provisions. The Contractor shall ensure that products provided under this Agreement, to include hardware, software, firmware and middleware, whether acting alone or combined as a system, are year 2000 compliant as defined at FAR Part 39.

Contractor should limit travel expense to the amount authorized by the terms and conditions of this Agreement. Effort shall not be performed outside of Contractor's organization and location without prior written consent of GPO.

ARTICLE II: PERIOD OF PERFORMANCE

The Contractor shall accomplish the work required in Exhibit A commencing on the Effective Date through the performance period end date of 30 September 2010. Any extension of this performance period requires GPO written approval from the GPO Subcontract Representative.

ARTICLE III: CONTRACT TYPE

This Agreement is a Cost Reimbursement (CR) type contract, which may be incrementally funded.

ARTICLE IV: TOTAL COST AND PAYMENT

- A. The Total Estimated Cost for performance of this Agreement is as follows:

	<u>Year 1</u>	<u>Year 2 (Option)</u>	<u>Year 3 (Option)</u>
Total Cost:	\$31,369	\$31,369	\$31,369

- B. Unless the GPO exercises its option pursuant this article, this Agreement consists only of Year 1 of the Statement of Work as defined in Exhibit A. The GENI Contracting Officer may, by unilateral contract modification, authorize and require the Contractor to perform Year 2 and Year 3 of the Statement of Work as also defined in Exhibit A. If the GPO exercises the Year 2 Option, notice shall be given by the GENI Contracting Officer at least 30 days prior to the expiration date of this Agreement and the estimated cost of the contract will be increased as set forth in paragraph A. If the GPO exercises the Year 3 Option, notice shall be given by the GENI Contracting Officer at least thirty (30) days prior to the expiration date of this Agreement and the estimated cost of the contract will be increased as set forth in Paragraph A.
- C. The total cost shall be paid in accordance with the cost principles of the OMB Circular A-21 (Cost Principles for Educational Institutions), incorporated by reference herein, in effect on the Effective Date of this Agreement and the terms and conditions of this Agreement.
- D. Notwithstanding any other terms and conditions of this Agreement, findings of uncorrected or unreported data required as a result of Contractor's receipt of these ARRA funds may result in financial penalties to Contractor, up to and including termination of funding under this Agreement. The GPO will have the unilateral right to enforce such penalties after having given Contractor advance written notice with a specified cure period not less than ten (10) days.
- E. Notwithstanding the foregoing, costs for travel outside the continental United States (including Hawaii and Alaska) will not be allowable under this agreement unless the Contractor has requested and received, in writing, the GPO Program Officer's approval for such travel. Contractor's request for approval shall be submitted to the GPO Program Officer sixty (60) days prior to the trip date(s).

ARTICLE V: LIMITATION OF COST

- A. The cost to GPO for the performance of this Agreement will not exceed the total program amount set forth in Article IV, A. The Contractor shall use reasonable efforts to perform the work specified in the Statement of Work and all obligations under this Agreement within such total cost.
- B. The amount presently available for payment and allotted to this Agreement and the period of performance which the allotted amount will cover are as follows:

1. Funding Allotted: \$31,369
2. Funding Period: 1 October 2009 – 30 September 2010

The Contractor shall perform or have performed work on this Agreement up to the point at which the total amount of the Contractor's expenditures plus commitments does not exceed the total funding allotted to this Agreement, as specified above.

- C. If at any time the Contractor has reason to believe that the costs which it expects to incur in the performance of this Agreement in the next succeeding sixty (60) days, when added to all costs previously incurred, will exceed seventy-five percent (75%) of the total amount then allotted to the Agreement, the Contractor shall notify GPO in writing to that effect. The notice shall state the total amount of additional funds required to continue performance for the period set forth in B.2 above. Sixty (60) days prior to the end of the period specified in B.2 the Contractor will advise GPO in

writing as to the total amount of additional funds, if any, that will be required for the timely performance of the work under the Agreement or for such further period as may be specified in this Agreement or otherwise agreed to by the parties. If, after such notification, additional funds are not allotted by the end of the period set forth in B.2 or an agreed date substituted therefore, GPO will, upon written request by the Contractor, terminate this Agreement pursuant to the provisions of the Termination clause, FAR 52.249-5, on such date. If the Contractor in the exercise of its reasonable judgment estimates that the funds available will allow it to continue to discharge his obligations hereunder for a period extending beyond such date, it shall specify the later date in its request and GPO at its discretion may terminate this Agreement on that later date.

- D. Except as required by other provisions of the Agreement specifically citing and stated to be an exception from this clause, GPO shall not be obligated to reimburse the Contractor for costs incurred in excess of the total funded amount from time-to-time allotted to the Agreement and the Contractor shall not be obligated to continue performance under the Agreement (including actions under the Terminations clause) or otherwise to incur costs in excess of the amount allotted to the Agreement, unless and until the GPO Subcontract Representative has notified the Contractor in writing that such an allotted amount has been increased and has specified in such notice an increased amount constituting the total amount then allotted to the Agreement. To the extent the amount allotted exceeds the total cost set forth in Article IV such total cost shall be correspondingly increased. No notice, communication or representation in any other form or from any person other than the GPO Subcontract Representative shall affect the amount allotted to this Agreement. In the absence of the specified notice, GPO shall not be obligated to reimburse the Contractor for any costs in excess of the total amount allotted to the Agreement whether those excess costs were incurred during the course of the Agreement or as a result of termination. When and to the extent that the amount allotted to the Agreement has been increased, any costs incurred by the Contractor in excess of the amount previously allotted shall be allowable to the same extent as if such costs had been incurred after such increase in the amount allotted; unless GPO issues a termination or other notice and directs that the increase is solely for the purpose of covering termination or other specified expenses.
- E. Nothing in this clause shall affect the right of GPO to terminate this Agreement.

ARTICLE VI: INSPECTION AND ACCEPTANCE

- A. GPO and NSF have the right to inspect and evaluate the work performed or being performed under the Agreement, and the premises where the work is being performed, at all reasonable times and in a manner that will not unduly delay the work. If GPO or NSF performs inspection or evaluation on the premises of the Contractor or its Subcontractor(s), the Contractor shall furnish and require its Subcontractor(s) to furnish, without additional charge, all reasonable facilities and assistance for the safe and convenient performance of these duties.
- B. Final inspection and acceptance of goods and data shall occur at GPO's facility upon GPO's acceptance of same in accordance with the criteria as set forth in the Statement of Work contained in Exhibit A.
- C. Contractor shall make reasonable efforts to conform to the requirements of the specifications and Statement of Work under this agreement and shall support any and all reasonable technical direction from the GPO Program Officer.
- D. Data requirements and inspection and acceptance thereof shall be as indicated in this Agreement inclusive of all Exhibits and Attachments.
- E. The above paragraphs are not to be construed as a limitation of the rights of GPO and the obligations of the Contractor as provided hereunder.

ARTICLE VII: INVOICING

- A. Contractor shall submit two copies of its invoices addressed as follows:

The GENI Project Office.
10 Moulton Street
Cambridge, MA 02138-1119
To the Attention of Kathleen Rich

- B. Contractor's invoices shall contain the following information, as applicable: invoice number, date of invoice, purchase order number, description of supplies and services, current month and cumulative costs for the project by task by budget element, applicable labor categories, and other direct costs incurred.
- C. Without limiting GPO's other remedies, if work performed or being performed under the Agreement is deficient or is not provided when scheduled in accordance with the Statement of Work (See Exhibit A), GPO may withhold remaining payments (or such portion thereof as GPO may deem equitable) until such data is furnished or deficiency corrected. In addition, amounts, in accordance with the following, shall be withheld until completion of final closeout of the subcontract:

Cost Reimbursement: after payment of 80% of the total
cost, the lesser of 1% of the total
cost or \$100,000.

- D. Invoices shall be submitted monthly no later than fifteen (15) days after the last day of the calendar month and shall be as effort is expended and costs are incurred.

ARTICLE VIII: PAYMENT TERMS

Payment terms are net 30 days after receipt of an acceptable invoice.

ARTICLE IX: REPORTS AND DELIVERABLES

Contractor shall submit reports and data deliverables in accordance with this clause and Statement of Work Exhibit A. In addition, a quarterly status report shall be submitted in written or electronic form to the GPO Program Officer. The Contractor shall document all significant technical and programmatic events of the previous months, including activities, issues, proposed resolution of issues, and financial and schedule status. Wherever possible, reports and deliverables shall be submitted in electronic format compatible with Microsoft Windows. GPO and NSF shall have the right to copy, distribute, display, perform, transmit, and publish all deliverables hereunder.

Contractor will not knowingly use or incorporate into any deliverable under this effort data which infringes any patent, copyright or proprietary right of a third party, and upon discovery of any actual or suspected infringement or notice received thereof, Contractor will promptly notify GPO in writing, and provide reasonable assistance, cooperation and needed information to GPO.

An authorized representative of the Contractor shall affix to all Data delivered to the GPO under this Agreement the following written certification:

To the best of my knowledge and belief, the Data contained in this Deliverable is an original work, or is Data for which Contractor has the right to deliver to the GPO in accordance with the public availability standard and license indicated in Article X: Inventions section of this Agreement.

Further, Contractor acknowledges and agrees that the funding provided under this Agreement is under the American Reinvestment and Recovery Act (ARRA) of 2009. Contractor shall comply with the NSF ARRA Terms and Conditions dated May 2009 and provided at Exhibit C and with the additional reporting and transparency requirements which accrue to this funding and as described at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=arra0509 and in accordance with NSF guidelines provided at Exhibit D. The information required to be reported shall be provided submitted directly by Contractor not later than ten days after the end of each calendar quarter during the period of performance of this Agreement.

ARTICLE X: INVENTIONS

Contractor agrees to give written notice promptly to the GPO Subcontract Representative of all inventions, improvements or discoveries conceived and reduced to practice in the performance of the Statement of Work ("Inventions") during the term of this Agreement, whether solely or jointly with others.

Notwithstanding any other provisions of this Agreement, all notes, drawings, designs, technical data, research results, reports and computer software and documentation and other information developed by Contractor in the performance of the Statement of Work but to be delivered by Contractor to GPO under this Agreement ("Data") shall be licensed to GPO by the Contractor for public use in accordance with a license in the form set forth below. In the event Contractor desires to incorporate material not first developed by Contractor in the course of performing the Statement of Work, Contractor shall notify the GPO Program Officer and the GPO Program Officer shall determine and notify Contractor if such material may be incorporated; and if so, the terms and conditions pursuant to which the material may be incorporated by Contractor hereunder. Contractor agrees to execute such further documents and other instruments as may be necessary or desirable in order to allow for full and open public use of all Inventions and Data.

In accordance with a public availability standard, allowing for full and open public use, Contractor shall grant the following GENI Project License to all Inventions and Data:

Copyright (c) <year> <copyright holders>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and/or hardware specification (the "Work"), to deal in the Work including the rights to use, copy, modify, merge, publish, distribute, and sublicense, for non-commercial use, copies of the Work, and to permit persons to whom the Work is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Work.

The Work can only be used in connection with the execution of a project which is authorized by the GENI Project Office (whether or not funded through the GENI Project Office).

THE WORK IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE WORK OR THE USE OR OTHER DEALINGS IN THE WORK.

ARTICLE XI: DOCUMENTS INCORPORATED BY REFERENCE/ORDER OF PRECEDENCE

The following documents are hereby incorporated by reference. Clauses incorporated by reference into this agreement have the same force and effect as if they were included in full text. In the event of a conflict between any such documents, precedence shall be in the order listed:

1. Articles I through XII of this Agreement
2. Exhibit B: General Conditions Sections 1 & 2
3. Exhibit C: NSF ARRA Terms and Conditions dated May 2009
4. Exhibit D: NSF ARRA Recipient Quarterly Reporting Instructions
5. Exhibit E: Clauses Incorporated by Reference
6. Exhibit F: Contractor Budget
7. Exhibit A: Statement of Work

ARTICLE XII: REPRESENTATIONS AND CERTIFICATIONS

By signing below, Contractor certifies that it is in compliance with the following requirements:

- A. Debarment: Neither the Contractor nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this Agreement by any Federal department or agency.
- B. Lobbying: Contractor is in compliance with Public Law 101-121 (Section 1352, Title 31, U.S. Code).
- C. Conflicts Of Interest: If Contractor employs more than fifty persons, Contractor shall maintain an appropriate written and enforced policy on conflict of interest. The institutional conflict of interest policy shall require that each Program Officer disclose to Contractor all significant financial interests of the Program Officer (including those of the Program Officer's spouse and dependent children) (i) that would reasonably appear to be affected by the research or educational activities funded or proposed for funding by GPO under this Agreement; or (ii) in entities whose financial interests would reasonably appear to be affected by such activities. The institutional policy shall ensure that Program Officers have provided all required financial disclosures prior to execution of this Agreement. It must also require that those financial disclosures are updated during the Performance Period, either on an annual basis, or as new reportable significant financial interests are obtained. The institutional policy shall designate one or more persons to review financial disclosures, determine whether a conflict of interest exists, and determine what conditions or restrictions, if any, should be imposed by the institution to manage, reduce or eliminate such conflict of interest. The institutional policy shall include arrangements for keeping the GPO Program Officer, GPO Subcontract Representative, appropriately informed if the institution finds that it is unable to satisfactorily manage a conflict of interest. Institutions must maintain records of all financial disclosures and of all actions taken to resolve conflicts of interest for at least three years beyond the termination of this Agreement, or until the resolution of any GPO action involving those records, whichever is longer.
- D. Drug Free Workplace: Contractor shall comply with the Drug-Free Workplace Act.
- E. Clean Air Act and Clean Water Act: If the Total Cost of this Agreement is \$100,000 or more, the Contractor agrees to comply with all applicable standards, order, or regulations issued pursuant to the Clean Air Act and the Clean Water Act.
- F. Civil Rights Act: The Contractor shall comply with Title VI of the Civil Rights Act of 1964, as implemented by NSF in 45 CFR 611. Contractor certifies that it has a valid Assurance of Compliance on file.

- G. ARRA Requirements: Contractor shall comply with the provisions of the American Recovery and Reinvestment Act of 2009 (ARRA) (Public Law 111-5), including but not limited to the segregation of ARRA funds on the Schedule of Expenditures of Federal Awards (SEFA) and the Data Collection Form (SF-SAC) required by OMB Circular A-133 in accordance with Exhibit C.
- H. Other Requirements: Contractor shall comply with the following and shall have completed and have on file the requested assurances: (1) Section 504 of the Rehabilitation Act, as implemented by NSF in 45 CFR 605; (2) Age Discrimination Act of 1975, as implemented by the Department of Health and Human Services at 45 CFR 90 and by NSF at 45 CFR 617; (3) Title IX of the Education Amendment of 1972 as amended; and §§4012(a) and 4106 of the National Flood Insurance Act.

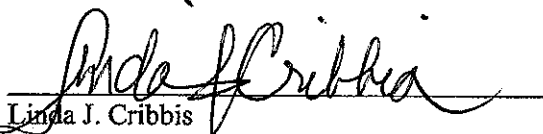
ARTICLE XIII: ENTIRE AGREEMENT

The foregoing Articles contain the entire agreement between the parties which supersedes any prior oral or written agreements, commitments, understandings, or communications with respect to the subject matter of this Agreement.

In WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the day and year first hereinabove written.

BBN TECHNOLOGIES CORP.

**THE REGENTS OF THE UNIVERSITY
OF CALIFORNIA ON BEHALF OF ITS
LOS ANGELES CAMPUS**


Linda J. Cribbis
Senior Manager
GENI Subcontracts Representative


Lillian Smith
Director
Industry Sponsored Research

3/16/2010
Date

3/16/2010
Date

**EXHIBIT A: STATEMENT OF WORK
SCOPE, MILESTONES, DELIVERABLES, AND SCHEDULE**

SCOPE

This project will add WiMax capability to a Campus Vehicular Testbed (C-VeT) to support the deployment and testing of vehicular services and applications over both WiFi and WiMax. It will feature resource virtualization in order to enable shared access by multiple experimenters using the ORBIT Management Framework (OMF). To establish the WiMax capability, we will procure a "GENI WiMax base station kit".

MILESTONES/DELIVERABLES

Year 1 (TBD)

- a) Begin deployment of dual-mode vehicular nodes (WiFi and WiMax) (May 2010).

Year 2 (TBD)

- a) Install WiMax base station kit and operate as part of C-VeT.
- b) Begin testing of WiMax in C-VeT.

Year 3 (TBD)

- a) Finish testing WiMax in C-VeT.
- b) Federate C-VeT with other GENI testbeds using the ORBIT Management Framework (OMF).

PROJECT MANAGEMENT TASKS

The following management and coordination activities will also be required:

- 1) Attend 3 GECs per year (PI or delegate, and any outreach plan students). The PI is expected to report current project status along with poster or demo in person at every GEC.
- 2) Attend up to 3 technical meetings per year, if requested by GPO, on specific subject matter such as control framework interface, cluster integration, cluster annual review, etc. (Budget for one meeting in Cambridge, two in Denver.)
- 3) The PI must submit quarterly and final project reports to the GENI Project Office. The quarterly reports are due at end of the calendar quarterly, i.e. March 31, June 30, September 30 and December 31. The final report is due one month prior to the expiration of a Subcontract.

Each quarterly report and final report must also include copyright-free images and description of work performed (suitable for publication on the web at geni.net, in brochures, etc); proper credit will be given. Other forms of publication material are also encouraged. Failure to provide the required quarterly project reports may affect any future funding increments as well as any pending proposals for that PI. PIs should examine the formats of the required reports in advance to assure availability of required data.

The quarterly report will be submitted via email attachment to project manager and your assigned System Engineer. Such reports provide information on activities and findings, project participants (individual and organizational) publications and other specific products and contributions.

Report is not complete until the GENI Project Office has reviewed and accepted via electronic email notification. The GPO will notify the PI within 10 days of receiving the report submission confirmation with either "accept" or "additional information is requested." Submit quarterly reports meeting the requirements in the American Reinvestment and Recovery Act (ARRA) of 2009. See <https://www.federalreporting.gov/federalreporting/home.do>.

4) Monthly financial invoice

EXHIBIT B: GENERAL CONDITIONS
SECTION 1

1. TECHNICAL/CONTRACT REPRESENTATIVES AND KEY PERSONNEL

The following technical and contractual representatives of GPO and Contractor are hereby designated for this Agreement.

Contractor's Representatives are:

Principal Investigator:	Mario Gerla	310.825.4367 gerla@cs.ucla.edu
Administrative Contact	Jeffrey Nerdin	310.794.0193 jeffrey.nerdin@research.ucla.edu

<u>GPO Program Officer(s):</u>	Henry Yeh	617.873.4821 hyeh@bbn.com
	Chip Elliott	617.873.4821 celliot@bbn.com

<u>GPO Subcontract Representative:</u>	Linda Cribbis	617.873.8030 lcribbis@bbn.com
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Key Personnel for this effort is the PI Mario Gerla. No substitution shall be made without the prior written approval of a GPO Program Officer. Contractor shall notify a GPO Program Officer of any proposed changes in key personnel within a reasonable time after the Contractor becomes aware that such a change is necessary and must demonstrate that the qualifications of the proposed replacement(s) are equal to or superior to the qualifications of the key personnel being replaced.

The GPO Program Officer is responsible for day-to-day clarifications, guidance and technical direction as may be required within the scope of the technical work requirements.

Contact with GPO regarding prices, terms, quantities, deliveries and financial adjustments shall be made only between the GPO Subcontract Representative and the Contractor's Authorized Organizational Representative. Actions taken by the Contractor, which by their nature effect a change to this Agreement, shall only be binding upon GPO when such action is specifically authorized in writing by the GPO Subcontract Representative.

All commitments hereunder and subsequent to execution of this Agreement, shall be made through the respective parties' contracts representatives. No verbal or written request, notice, authorization, direction or order received by the Contractor shall be binding upon GPO, or serve as the basis for a change in the cost, fee, or any other provision of this Agreement and/or applicable individual Task Order unless issued (or confirmed) in writing by the GPO Subcontract Representative.

2. EQUIPMENT

Unless disclosed in Contractor's proposal for services and approved by GPO, Contractor may not purchase any equipment without prior written approval from the GPO Subcontract Representative. Equipment purchased under this Agreement shall be subject to the conditions of OMB Circular A-110, Section 34, incorporated by reference herein. Notwithstanding, upon expiration of this Agreement, GPO may require the Contractor to transfer title to GPO. If GPO does not request

transfer of such equipment within one hundred thirty (130) days of the termination of this Agreement, the Contractor retains title to such equipment with no further obligations. Contractor shall submit a final report of equipment purchased under this Agreement to the GPO Subcontract Representative within thirty (30) days of the termination of this Agreement.

3. GPO-FURNISHED INFORMATION

GPO may provide to the Contractor various information including but not limited to reports, documents, data, and/or software ("GPO-Furnished Information") to assist the Contractor in performing the work defined in the Agreement. GPO does not warrant GPO-Furnished Information to be adequate, accurate, sufficient, or free from defects of any kind. GPO-Furnished Information is provided with the understanding that, to the best of GPO's ability to so determine, it is pertinent and useful in the fulfillment of the contracted work; however, the Contractor has no right, either actual or implied, to an adjustment of price or indemnification for cost associated with any GPO-Furnished Information.

Unless otherwise agreed, GPO-Furnished Information shall be used by Contractor solely for the performance of services under this Agreement. Unless required to do so by law, Contractor agrees that it will not copy or provide access by third parties to GPO-Furnished Information without the prior written approval of GPO. Contractor further agrees it will not reverse engineer, disassemble or decompile or commercially exploit any prototypes, software or other tangible objects which are embodied in any GPO-Furnished Information.

Any GPO-Furnished Information is provided "AS IS" and GPO DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Upon completion of its services hereunder, Contractor agrees to return or destroy all GPO-Furnished Information and provide written certification of such destruction.

4. WARRANTIES

Contractor warrants that all work performed herein will be performed by qualified personnel in a timely and professional workmanlike manner consistent with the reasonable professional academic standards. Services provided by Contractor under this Agreement may involve the use and development of state-of-the-art technology, science and engineering and may require the use of experimental or new technologies. Accordingly, the results of such services are provided "AS IS".

5. INDEMNIFICATION

The Parties agree to defend, indemnify and hold one another, their officers, employees and agents harmless from and against any and all liability, loss, expense, attorneys' fees, or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorneys' fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of the indemnifying Party.

6. GOVERNING LAW

This Agreement will be construed and interpreted according to the laws of the State of California.

7. ASSIGNMENT

Contractor shall not delegate or assign any of its rights, duties or responsibilities in or to this Agreement, or any interest arising hereunder, without the prior written consent of the GPO Subcontract Representative, except the foregoing shall not apply to an assignment to any successor organization in the event Contractor shall change its name, merge or consolidate with another organization.

8. SEVERABILITY/NON-WAIVER

If any term, provision, covenant or condition of this Agreement is held invalid or unenforceable for any reason, the remainder of the provisions shall continue in full force and effect as if this Agreement had been executed with the invalid portion thereof eliminated. A failure of either party to insist on strict performance shall not constitute a waiver of any of the provisions of this Agreement.

9. CHANGES/MODIFICATION

This Agreement may not be added to, modified, superseded or otherwise altered except by a written modification signed by the GPO Subcontract Representative and Contractor's Authorized Official. Failure of either party to insist on strict performance shall not constitute a waiver of any of the provisions of this Agreement.

10. FORCE MAJEURE

Neither party shall be liable for any delays in the performance of any of its obligations hereunder due to causes beyond its reasonable control, and without the fault or negligence of the affected party in accordance with FAR 52.249-14, "Excusable Delays."

11. DEFAULT AND TERMINATION

GPO or Contractor may terminate this order by providing thirty (30) days written notice to the other party. In the event of termination, the parties will negotiate in good faith a reasonable and timely adjustment of all outstanding issues between the parties and any claims arising out of such termination submitted to GPO no later than six (6) months after the effective date of termination. Failure of the parties to agree to a reasonable adjustment will be resolved pursuant to Exhibit B, Section 1, Paragraph 17.

In the event of Contractor's default, Contractor shall be notified in writing and shall have seven (7) days to cure such failure after receipt of notice by GPO. In the event of either party's default, both parties shall have such additional remedies as may be available at law or in equity. For the purpose of this clause a default shall include, but shall not be restricted to, any material breach of this Agreement or if Contractor becomes insolvent, fails to pay its debts as they become due, or makes or proposes an assignment for the benefit of creditors.

12. INSURANCE/CERTIFICATES

Contractor shall obtain and maintain the minimum kinds and amounts of insurance throughout the performance of this contract to cover the limits enumerated hereunder.

A. Workmen's Compensation

Workmen's Compensation Insurance in accordance with laws as may be applicable to the work to be performed.

B. Comprehensive General Liability

Bodily Injury:	\$ 500,000 per person
	\$1,000,000 per accident
Property Damage:	\$ 500,000 per accident

C. Comprehensive Automobile Liability

Bodily Injury:	\$ 500,000 per person
	\$1,000,000 per accident
Property Damage:	\$ 500,000 per accident

Contractor shall supply proof of such insurance coverage to the GPO Subcontract Representative upon request.

13. INFORMATION DISCLOSED BY CONTRACTOR

Unless otherwise expressly set forth in this Agreement or subsequent agreements between the parties, GPO shall have the right to use, for any purpose, unpatented, non-copyrighted information concerning Contractor's products, manufacturing methods or processes which Contractor shall disclose to GPO during the performance of this Agreement and which is not labeled as "confidential" pursuant to Clause 15 below.

14. DISPUTES

The parties shall communicate with one another in good faith and in a timely and cooperative manner when raising issues under this Article. Whenever disputes, disagreements or misunderstandings arise, the parties shall attempt to resolve the issue(s) involved by discussion and mutual agreement as soon as practicable.

In the event that GPO and Contractor, despite their good faith efforts, fail to resolve any issue to their mutual satisfaction, the parties agree that they may resolve the dispute by mediation, arbitration or litigation. Pending any final decision of a dispute hereunder or a judgment by any court of competent jurisdiction, the Contractor shall proceed diligently with the performance of this Agreement and in accordance with the written directions of GPO's Subcontract Representative. Notwithstanding any provision of this clause, the liability of either party to the other, if any, shall not exceed such final decision or adjudication subject to the right of any appeal.

15. CONFIDENTIAL INFORMATION

This clause will remain in full force and effect three (3) years after completion of performance of the of the Contract Agreement.

"Confidential Information," for purposes of this Agreement, shall mean: (i) any information in written, other tangible or electronic form which is labeled by the disclosing party as "confidential," "proprietary" or with a legend of similar import; and (ii) information disclosed only visually, orally or in other intangible form and identified as "confidential" or "proprietary" by the disclosing party at the time of disclosure and further summarized and confirmed in writing as such within fifteen (15) days. Each party, as a recipient, shall: (i) use the Confidential Information of the disclosing party only in connection with fulfilling its obligations and exercising its rights hereunder; (ii) hold Confidential Information in strict confidence and exercise due care with respect to its handling and protection, consistent with recipient's own policies concerning the protection of its own confidential information of similar importance, but in no instance less than reasonable care; (iii) not disclose, divulge or publish Confidential Information of the disclosing party, or any portion thereof, except to

such of its responsible employees who have a bona fide need-to-know to the extent necessary to exercise the recipient party's rights under this Agreement and who are bound to maintain the confidentiality of such Confidential Information; (iv) instruct all such employees not to disclose Confidential Information to third parties; (v) not remove any titles, trademarks, copyright, patent and other proprietary or intellectual property rights notices set forth on or contained within the Confidential Information by the disclosing party or any portion thereof; (vi) not copy or otherwise duplicate any Confidential Information of the disclosing party, in whole or in part, including, without limitation, derivations, except and to the extent expressly permitted hereunder and necessary to exercise its rights hereunder; and (v) return all Confidential Information and all copies thereof, in whole or in part, to the disclosing party upon any expiration, termination or cancellation of this Agreement or the rights granted hereunder.

Confidential Information may include that of a third party, e.g. another of GPO's Contractors or a NSF entity authorized to release Confidential Information relating to the Global Environment for Network Innovations Project.

A receiving party may also disclose received Confidential Information to the NSF or another of GPO's Contractors with a bona fide "need to know" for the purposes of the GENI Project, provided NSF or receiving Contractor is under an obligation to hold such information in confidence under terms and conditions at least as restrictive as those in this Agreement.

Contractor will not consider information disclosed to it by GPO as Confidential Information which: (1) is now public knowledge or subsequently becomes such through no breach of this Agreement; (2) is rightfully in Contractor's possession prior to GPO's disclosure as shown by written records; (3) is rightfully disclosed to Contractor by a third party; (4) is independently developed by or for Contractor without reliance upon confidential information received from GPO; or (5) is required to be disclosed by law.

16. EXPORT COMPLIANCE

This clause will remain in full force and effect three (3) years after completion of performance of the of the Contract Agreement.

Contractor agrees to comply with all Export Control Laws and Regulations identified in the Arms Control Act, the Export Administration Regulations (EAR), the International Traffic in Arms Regulations (ITAR) and the exceptions thereunder, such as the "fundamental research" exception in Part 734 of Title 15 of the U.S. Code of Federal Regulations ("Export Laws"). By signing this Agreement, GPO acknowledges and recognizes that work conducted by Contractor is conducted as fundamental research (basic and applied research ordinarily published and shared broadly within the scientific community). Notwithstanding the above provisions of this Section 17, the parties agree that no Confidential Information or GPO-Furnished Information provided to Contractor hereunder shall be: (a) subject to control under the Export Administration Act and the Export Administration Regulations (EAR), the International Traffic in Arms Regulations (ITAR), National Security regulations, or any other export control laws or regulations; or (ii) classified by the U.S. Government as "Confidential" or any higher security classification. Should this project develop beyond fundamental research, GPO agrees to immediately notify Contractor and Contractor hereby reserves the right to immediately terminate this Agreement for convenience.

17. COMPLIANCE WITH APPLICABLE LAW

GPO is committed to conducting its business in strict compliance with all applicable governmental laws, rules and regulations. Contractor shall perform all work and activities under this Agreement in compliance with any and all applicable laws, rules, and regulations.

EXHIBIT B: GENERAL CONDITIONS
SECTION 2

1. Consultant Services

Costs of consultants, including those who are members of a particular profession or possess a special skill and who are not officers or employees of the performing organization, are allowable, with prior written approval of the GPO Program Officer, when reasonable in relation to the services rendered. Payments shall be comparable to the normal or customary fees charged and received by the consultant for comparable services.

2. Support Costs

Direct costs for items such as stipends or subsistence allowances, travel allowances and registration fees paid to or on behalf of participants or trainees (but not employees) in connection with meetings, conferences, symposia or training projects must be accounted for separately. No indirect costs may be charged against such support costs nor may funds for such support costs be used by Contractor for other categories of expense without the specific prior written approval of the GPO Program Officer. Such requests must be submitted to the GPO Program Officer in writing.

3. Travel

Expenses for transportation, lodging, subsistence and related items incurred by project personnel and by outside consultants employed on the project who are in travel status on business related to a GENI supported project are allowable as prescribed in this Agreement.

The difference between economy airfare and a higher-class airfare is unallowable. A train, bus or other surface carrier may be used in lieu of, or as a supplement to, air travel at the lowest first-class rate by the transportation facility used. If such travel, however, could have been performed by air, the allowance will not normally exceed that for jet economy airfare.

Use of US-flag Air Carriers

Any air transportation to, from, between, or within a country other than the U.S. of persons or property, the expense of which will be assisted by GENI funding, must be performed by or under a code-sharing arrangement with a US-flag air carrier if service provided by such a carrier is available. Tickets (or documentation for electronic tickets) must identify the U.S. flag air carrier's designator code and flight number.

For the purposes of this requirement, US-flag air carrier service is considered available even though:

- a) Comparable or a different kind of service can be provided at less cost by a foreign-flag air carrier;
- b) Foreign-flag air carrier service is preferred by, or is more convenient for, GPO or traveler; or
- c) Service by a foreign-flag air carrier can be paid for in excess foreign currency.

The following rules apply unless their application would result in the first or last leg of travel from or to the U.S. being performed by a foreign-flag air carrier:

- a) A US-flag air carrier shall be used to destination or, in the absence of direct or through service, to the farthest interchange point on a usually traveled route.

- b) If a US-flag air carrier does not serve an origin or interchange point, a foreign-flag air carrier shall be used only to the nearest interchange point on a usually traveled route to connect with a U.S. flag air carrier.
- c) A US-flag air carrier involuntarily reroutes the traveler via a foreign-flag air carrier, the foreign-flag air carrier may be used notwithstanding the availability of alternative US-flag air carrier service.

Use of Foreign-Flag Air Carriers

Travel To and From the U.S. Use of a foreign-flag air carrier is permissible if the airport abroad is:

- a) The traveler's origin or destination airport, and use of US-flag air carrier service would extend the time in a travel status by at least 24 hours more than travel by a foreign-flag air carrier; or
- b) An interchange point, and use of US-flag air carrier service would increase the number of aircraft changes the traveler must make outside of the U.S. by two or more, would require the traveler to wait four hours or more to make connections at that point, or would extend the time in a travel status by at least six hours more than travel by a foreign-flag air carrier.

Travel Between Points Outside the U.S. Use of a foreign-flag air carrier is permissible if:

- a) Travel by a foreign-flag air carrier would eliminate two or more aircraft changes en route;
- b) Travel by a US-flag air carrier would require a connecting time of four hours or more at an overseas interchange point; or
- c) The travel is not part of the trip to or from the U.S., and use of a US-flag air carrier would extend the time in a travel status by at least six hours more than travel by a foreign-flag air carrier.

Short Distance Travel. For all short distance travel, regardless of origin and destination, use of a foreign-flag air carrier is permissible if the elapsed travel time on a scheduled flight from origin to destination airport by a foreign-flag air carrier is three hours or less and service by a US-flag air carrier would double the travel time.

4. Rearrangements and Alterations

Rearrangement and alteration costs that do not constitute construction (i.e., rearrangements and alterations aggregating less than \$25,000) to adapt space or utilities within a completed structure to accomplish the objectives of this Agreement, are allowable and approved, provided:

- a) The building has a usable life consistent with project purposes and is architecturally suitable for conversion;
- b) The rearrangements and alterations are essential to the project; and
- c) The space involved will be occupied by the project.

Rearrangements and alterations (construction) aggregating \$25,000 or over require the prior written approval of the GPO Subcontract Representative.

5. Information Collection

Information collection activities performed under this Agreement are the responsibility of the Contractor, and GPO support of the project does not constitute GPO or NSF approval of the survey design, questionnaire content or information collection procedures. Contractor shall not represent to respondents that such information is being collected for or in association with the GPO, NSF, or any other NSF agency without the specific written approval of such information collection plan or device by a GPO Program Officer. This requirement, however, is not intended to preclude mention of GPO or NSF support of the project in response to an inquiry or acknowledgment of such support in any publication of this information.

6. Publications

The Contractor is responsible for assuring that an acknowledgment of NSF support:

- a) Is made in any publication (including World Wide Web pages) of any material based on or developed under this project, in the following terms:

"This material is based upon work supported by the National Science Foundation under Grant No. (NSF grant number)."

- b) Is orally acknowledged during all news media interviews, including popular media such as radio, television and news magazines.

The Contractor is responsible for assuring that every publication of material (including World Wide Web pages) based on or developed under this Agreement, except scientific articles or papers appearing in scientific, technical or professional journals, contains the following disclaimer:

"Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of Raytheon BBN Technologies, Corp., the GENI Project Office, or the National Science Foundation."

The Contractor is responsible for assuring that the GENI Program Officer is provided access to, either electronically or in paper form, a copy of every publication of material based on or developed under this Agreement, clearly labeled with this Agreement number and other appropriate identifying information, promptly after publication.

All reports and publications resulting from this award are encouraged to use the metric system of weights and measures.

7. Reporting Classifiable Information

This Agreement is intended for unclassified, publicly releasable research. The Contractor will not be granted access to classified information. GPO does not expect that the results of the research performed pursuant to the Statement of Work or any work under this Agreement will involve classified information.

If, however, in performance of the Statement of Work, the Contractor is concerned that any of the research results involve potentially classifiable information that may warrant NSF restrictions on the dissemination of the results, the Contractor should promptly notify the GPO Program Officer.

8. State Sales and Use Taxes

Contractors are reminded that each set of cost principles cited in this Agreement limits the allowability of taxes to those the Contractor is required to pay. Contractors must avail themselves of any tax exemptions for which any activities supported by Federal funds may qualify, including any applicable exemptions from state or local sales and use taxes on the purchase of goods and services made with NSF award funds.

9. Sharing of Findings, Data, and Other Research Products

NSF expects significant findings from research and education activities it supports to be promptly submitted for publication, with authorship that accurately reflects the contributions of those involved. It expects Contractors to share with other researchers, at no more than incremental cost and within a reasonable time, the data, samples, physical collections and other supporting materials created or gathered in the course of the work. It also encourages Contractors to share software and inventions or otherwise act to make the innovations they embody widely useful and usable.

10. NSF Permits and Activities Abroad

For awards that include activities requiring permits from appropriate Federal, state, or local NSF authorities, the Contractor should obtain any required permits prior to undertaking the proposed activities.

The Contractor must comply with the laws and regulations of any foreign country in which research is to be conducted. Areas of potential concern include: (1) requirements for advance approval to conduct research or surveys; (2) special arrangements for the participation of foreign scientists and engineers; and (3) special visas for persons engaged in research or studies. GPO does not assume responsibility for Contractor compliance with the laws and regulations of the country in which the work is to be conducted.

The Contractor also should assure that activities carried on outside the U.S. are coordinated as necessary with appropriate U.S. and foreign NSF authorities and that necessary licenses, permits or approvals are obtained prior to undertaking the proposed activities.

11. Audit and Records

Financial records, supporting documents, statistical records, and other records pertinent to this award shall be retained by the Contractor for a period of three years from submission of the final project and expenditure reports specified in this Agreement.

- a) All records that relate to audits, appeals, litigation or the settlement of claims arising out of the performance of the project shall be retained until such audits, appeals, litigation or claims have been disposed of, including but not limited to financial records.
- b) Records relating to projects subject to special project income provisions shall be retained until three years from the end of the grantee's fiscal year in which the award requirement for reporting income expires.

Unless court action or audit proceedings have been initiated, the Contractor may substitute microfilm copies of original records.

The Director of NSF and the Comptroller General of the U.S., or any of their duly authorized representatives, shall have access to any pertinent books, documents, papers and records of the

Contractor organization and of the performing organization, if different, to make audits, examinations, excerpts and transcripts. Further, any negotiated contract in excess of the simplified acquisition threshold (currently \$100,000) made by the Contractor shall include a provision to the effect that the Contractor, the Director of NSF, the Comptroller General of the U.S., or any of their duly authorized representatives, shall have access to pertinent records for similar purposes.

Contractor further agrees to provide GPO, in a timely manner, with copies of any of the independent or government auditors' reports which present instances of noncompliance with federal laws and regulations which bear directly on the performance or administration of this Agreement. In cases of such noncompliance, Contractor will provide copies of responses to auditors' reports and a plan for corrective action(s).

The Contractor shall cooperate with GPO in resolving questions GPO may have concerning the auditors' report and plan for corrective action.

In order to avoid duplicate record keeping, NSF may make special arrangements with the Contractor to retain any records that are needed for joint use. NSF may request transfer to its custody of records not needed by the Contractor when it determines that the records possess long-term retention value. When the records are transferred to, or maintained by NSF, the three-year retention requirement is not applicable to the Contractor. In the rare event that this provision is exercised, NSF will negotiate a mutually agreeable arrangement with the Contractor regarding reimbursement of costs.

Contractor shall arrange for the conduct of audits as required by OMB Circular A-133, (Audits of States, Local NSF's, and Non-Profit Organizations (including colleges and universities), incorporated by reference herein. They shall provide copies of the reports of these audits to the cognizant Federal audit agency. Any Federal Audit of this project deemed necessary by NSF shall build upon the results of such audit(s).

12. Site Visits

GPO, through authorized representatives, has the right, at all reasonable times, to make site visits to review project accomplishments and management control systems and to provide such technical assistance as may be required to Contractor and any subcontractor. If any site visit is made by GPO on the premises of the Contractor or a subcontractor under an award, the Contractor shall provide and shall require its subcontractors to provide all reasonable facilities and assistance for the safety and convenience of the GPO representatives in the performance of their duties. All site visits and evaluations shall be performed in such a manner that will not unduly delay the work.

13. Sense of the Congress on Use of Funds

Recent Acts making appropriations to NSF provide "It is the sense of the Congress that, to the greatest extent practicable, all equipment and products purchased with funds made available in this Act should be American-made" and require notification to Contractors of that statement.

14. Increasing Seat Belt Use in the United States

In accordance with Executive Order 13043 , Increasing Seat Belt Use in the United States, dated April 16, 1997, "Contractors are encouraged to adopt and enforce on-the-job seat belt policies and programs for their employees when operating company-owned, rented, or personally owned vehicles."

**EXHIBIT C: NATIONAL SCIENCE FOUNDATION (NSF) AMERICAN RECOVERY AND
REINVESTMENT ACT OF 2009 (ARRA) RECIPIENT QUARTERLY REPORTING
INSTRUCTIONS dated September 1, 2009**

**EXHIBIT D: NATIONAL SCIENCE FOUNDATION (NSF) AMERICAN RECOVERY AND
REINVESTMENT ACT OF 2009 (ARRA) TERMS AND CONDITIONS DATED MAY 2009**

EXHIBIT E: PRIME CONTRACT CLAUSES INCORPORATED BY REFERENCE

Under this Section A, where necessary and appropriate to incorporate the following clauses to govern the relationship between GPO and Contractor, the term "Recipient" shall mean "Contractor", the term "Award" shall mean this "Agreement", the terms "Federal Government", "Federal Awarding Agency" or like terms shall mean "the NSF or GPO" and such other changes shall be deemed to have been made to such clauses as are necessary for GPO to have the same rights with respect to Contractor as the Federal Awarding Agency and the United States Government would have to Contractor under each clause. Clauses incorporated by reference shall have the same force and effect as if they were given in full text. Upon request, the full text of these clauses will be made available.

A. OFFICE OF MANAGEMENT AND BUDGET CIRCULAR A-110

(2 CFR CHAPTER 215) CLAUSES

A-110 Section 13	Debarment and suspension
A-110 Section 21	Standards for financial management systems
A-110 Section 23	Cost sharing or matching
A-110 Section 24	Program income
A-110 Section 26	Non-Federal audits
A-110 Section 27	Allowable costs
A-110 Section 40	Purpose of Procurement Standards
A-110 Section 41	Recipient responsibilities
A-110 Section 42	Codes of conduct
A-110 Section 43	Competition
A-110 Section 44	Procurement procedures
A-110 Section 45	Cost and price analysis
A-110 Section 46	Procurement records
A-110 Section 47	Contract administration
A-110 Section 48	Contract provisions

Under this Section B, where necessary and appropriate to incorporate the following clauses to govern the relationship between GPO and Contractor, the term "Recipient" shall mean "Contractor", the term "Award" shall mean this "Agreement", the terms "Federal Government", "Federal Awarding Agency", and like terms shall mean the National Science Foundation. Clauses incorporated by reference shall have the same force and effect as if they were given in full text. Upon request, the full text of these clauses will be made available.

B. OFFICE OF MANAGEMENT AND BUDGET CIRCULAR A-110

(2 CFR CHAPTER 215) CLAUSES

A-110 Section 36	Intangible property
A-110 Section 37	Property trust relationship

EXHIBIT F: CONTRACTOR BUDGET

BBN/NSF - GENI WiMAX Project

Salaries	YR 1	YR 2	YR 3	TOTAL
Graduate Student Researcher VII GSR's \$4205/mo @ 100% Summer	12,615	12,867	13,125	25,230
Total Salaries	12,615	12,867	13,125	38,607
Benefits				
Student Summer 3.0%	378	386	394	1,158
Total Benefits	378	386	394	1,158
Total Salaries & Benefits	12,993	13,253	13,518	39,765
Equipment				
Equipment required for research project.	7,000	7,000	6,000	20,000
Total Equipment	7,000	7,000	6,000	20,000
Travel				
PI and senior researchers to attend Conferences and other project related travel.	2,000	2,000	2,000	6,000
Total Travel	2,000	2,000	2,000	6,000
Other Direct Costs				
Project related supplies	337	77	461	874
Department Networking (\$124/mo/person for CS Dept only)	372	372	372	1,116
Tech Infrastructure (TIF) - \$40.75/mo/full time employee	122	122	122	367
Total Other Direct Costs	831	571	955	2,356
Total Direct Costs	22,824	22,824	22,473	68,121
Overhead @ 54%	8,545	8,545	8,895	25,986
Total Costs	31,369	31,369	31,369	94,107