



Sandia National Laboratories

Page 1 of 15

Operated for the U.S. Department of Energy by
Sandia Corporation

REGENTS OF THE UNIVERSITY OF CALIFORNIA
OFFICE OF RESEARCH UCOP
1111 FRANKLIN ST 11TH FL RM 11121
OAKLAND, CA 94607-5200
United States

Document Date: 12/21/2007
Document No.: 776622
Revision No.: 0

Please respond to:

K. CARLA SENA SERRANO
Sandia National Laboratories
PO Box 5800
MS 1483
Albuquerque, NM 87185-1483
Phone: 5058449081
Fax: 505-844-1387
E-mail: kcserra@sandia.gov

This is a Contract Purchase Agreement.

This contract between Sandia Corporation and the above named Contractor is authorized for binding commitment by the Sandia Contracting Representative, named above, and is effective on the above document date provided that the Contractor accepts the contract terms including Section I appended hereto and the Section II as set forth in SF6432-EI (12-04), found at <http://www.sandia.gov/supplier/terms/> by signing a copy of this Signature Page and returning it to the SCR.

Kathleen P. Babcock
Authorized Contractor Representative

12-9-08
Date





Sandia National Laboratories

Operated for the U.S. Department of Energy by
Sandia Corporation

SECTION I

Page 2 of 15

Document#: 776622 Rev#: 0 Page: 1

Shipping Destination:
Sandia National Labs
NO SHIPMENT

United States

REGENTS OF THE UNIVERSITY OF CALIFORNIA
OFFICE OF RESEARCH UCOP
1111 FRANKLIN ST 11TH FL RM 11121
OAKLAND, CA 94607-5200
United States

Send Invoice to:
ACCOUNTS PAYABLE MS1385
PO BOX 5130
ALBUQUERQUE, NM 87185
United States

Supplier Code: 30462 Created: Buyer:
20-DEC-07 K SERRANO
Payment Terms: Ship Via:
NET 30 NO SHIPMENT
Freight Terms: Requestor:
NOT APPLICABLE

Revised: Revised Buyer:
FOB:
NOT APPLICABLE

Purchase Agreement

Effective From: 22-DEC-07 To: 21-DEC-12 Amount Agreed: 2,000,000.00

Item Part Number	Promised	Quantity	UOM	Unit Price	Line Total
------------------	----------	----------	-----	------------	------------

AMOUNT: 2,000,000.00



Operated for the U.S. Department of Energy by
Sandia Corporation

SECTION I TERMS AND CONDITIONS

CLAUSE 0 - This is a Contract Purchase Agreement on a Cost No Fee basis between Sandia Corporation and the Contractor on the cover page. This Contract Purchase Agreement is issued based on RFQ 10047.

ORDERING AGREEMENT - 806-OAC (01-06)

This is a nonexclusive Ordering Agreement (OA) under which Sandia may issue orders for items/services defined in the "Scope of this Agreement." Upon receipt of an order/release, the Contractor shall furnish the material and/or services as described in the order/release. The Terms and Conditions (Ts&Cs) of this OA are hereby incorporated into any order/release against this OA.

All orders/releases will bear both the OA and the order/release number. The Contractor shall mark packages, packing slips, invoices and correspondence with both the OA and the order/release numbers.

Expiration of this OA shall not affect the completion of any outstanding orders/releases placed against this OA. The Ts&Cs of the OA shall remain effective for the duration of any orders/releases placed under the OA and still in effect after expiration of the OA. The billing rates/prices in effect at the time of the OA's expiration shall remain in effect for the duration of any order/release placed under the OA and still in effect after expiration of the OA.

No guarantee is made or implied that any orders/releases will be issued. All orders/releases must be in writing and must be signed by a Sandia Contracting Representative. Expiration of the term shall not affect any outstanding orders/releases.

The Contractor's acceptance of an order/release shall be a commitment to furnish the items ordered, unless otherwise required on an order/release.

Wherever used throughout this OA and any documents incorporated by reference, the word "contract" shall be deemed to mean "order/release."

CLAUSE 1 - STATEMENT OF WORK

Order Placement Procedure:

As work to be accomplished under Orders against this OA is identified, Sandia will request and the Contractor will furnish personnel, equipment, material and facilities to accomplish the work in accordance with the following procedure.

A) The Contractor may submit unsolicited proposals or Sandia shall provide a Statement of Work (SOW) describing the work to be performed, the name of the Principal Investigator, its security classification and contract deliverables that Sandia wishes to contract for under a specific order. The request will also include any other unique contractual provisions such as the furnishing of Government Furnished



Operated for the U.S. Department of Energy by
Sandia Corporation

Property (GFP) that will apply to the Order.

B) The Contractor shall respond, in writing, to the SCR's request for proposal within five (5) working days.

C) The Contractor shall furnish within five (5) working days of the SCR'S request a detailed cost breakdown proposal for each Order listing labor categories, yearly salary information, percentage of effort being proposed, material/supplies, property, travel, computing, postage and telephone estimate, if any, and indirect costs.

D) Sandia will evaluate the Contractor's cost proposal. When Sandia determines that the Contractor's proposal (as modified by negotiations, if any) is acceptable, the SCR will place a written order for the requisite effort. If the SCR and the Contractor cannot reach agreement on a specific order, the SCR will so inform the Contractor.

E) Work shall not proceed on any Order until the foregoing procedures have been completed and the SCR has provided an express direction to the Contractor for work to begin as indicated by a Sandia signed Order.

F) The Contractor shall track the cost, schedule and technical progress status of each Order issued under this OA. In the event the Contractor becomes aware of any situation which might interfere with the accomplishment of the required work, the Contractor shall immediately notify and assist the SCR in remedying the situation(s).

G) Property: Government furnished or Contractor acquired property shall be listed in the property schedules of the individual Orders. Property requirements for individual Orders shall be made with the Contractor's proposal to the RFQ. Contractor shall not acquire property unless property is specifically authorized and listed in an individual order against this OA.

H) A Subcontracting Plan and applicable Cost Accounting Standards will be added if the Order is over \$500,000.00. Additionally, a Certificate of Current Cost or Pricing Data may be required for any Orders over \$650,000.00.

Statement of Work:

The Contractor shall furnish, on an individually authorized basis, qualified personnel, equipment, material and facilities to perform work described in each Statement of Work as specifically called for on orders issued by Sandia. Specific tasks, clearance requirements, if any, Sandia controlled material or equipment, if applicable, milestones, controls, and contract deliverables shall be identified in each order, as issued by the Sandia Contracting Representative (SCR).

Deliverables:

Deliverables may consist of reports, letters, data information, materials, and other forms of presentation, as appropriate. Each Order shall specify the deliverables, milestones, due dates, and distribution of same.

CLAUSE 2 - PERIOD OF PERFORMANCE



Operated for the U.S. Department of Energy by
Sandia Corporation

The Period of Performance shall commence on December 22, 2007 and shall end on December 21, 2012.

CLAUSE 3 - UNFUNDED AGREEMENT - 029-UAP (10-99)

This agreement is not funded and is not by itself an authorization for the contractor to perform any work. This agreement merely defines the pricing, delivery schedules and terms and conditions upon which work may be authorized in the future. Work will be authorized solely from orders/releases against this agreement. Therefore, Contractor revenue is derived solely from orders/releases against this agreement.

CLAUSE 4 - INVOICING - 812-INV (10-07)

Contractor shall submit an original invoice within thirty (30) days of delivery of goods or services or once monthly within the Period of Performance in accordance with contract Terms and Conditions. Final invoices shall be noted as such.

INVOICING INSTRUCTIONS: Any deviation from the following invoicing instructions, including invoices delivered to a street address MAY DELAY PAYMENT.

1. All invoices submitted to Sandia National Laboratories must:
 - include Purchase Order (PO)/Contract Number (Document Number = PO/Contract Number),
 - include the Contractor's name (as stated in the PO/contract) and the "remit to" address,
 - identify charges in accordance with the line-item budget in the contract or PO,
 - include any applicable freight charges (including freight forwarder charges paid by Contractor), and
 - include freight bill for any freight charges of \$50 or more.

Notes:

- Invoice each PO/contract separately.
- In order for payment to occur, any freight charges invoiced separately by either a freight carrier or a supplier must include: contract number or Sandia project and task number, and organization number.

2. Do not submit duplicate invoices.

3. Sandia's standard payment mechanism is Electronic Funds Transfer (EFT) accompanied by e-mail notification following the execution of an EFT payment. If not already signed up to receive EFT from Sandia, upon contract award, Contractor shall submit an Electronic Funds Transfer Agreement (Form SF 9424-EFT - return instructions therein), located at <http://www.sandia.gov/supplier/forms/index.html>.

4. Payment information may be obtained at URL address:
<http://www.sandia.gov/bus-ops/scm/Contractor/Contractor-info.html>
or by calling (505) 845-9600. Additional information may be obtained by calling the Integrated Enabling Services (IES) Help Desk at (505)



Operated for the U.S. Department of Energy by
Sandia Corporation

845-9377.

**CLAUSE 5 - DEFENSE PRIORITIES AND ALLOCATIONS SYSTEM (DPAS) RATING -
TOTAL - 110-DPT (10-99)**

This procurement is a *DX rated order; DO rated order certified for national defense use under the Defense Priorities Allocation System Rating (DPAS) (15 CFR 700). The Contractor is required to follow all of the requirements of Section II Clause DEAR 952.211-71.

*This clause shall apply to specific Orders only.

2

CLAUSE 6 - CATALOG OF FEDERAL DOMESTIC ASSISTANCE - 120-FDA (06-02)

This is a legally binding mutual agreement between Sandia and the Contractor providing for procurement of materials and/or performance of a service for consideration. This is a contract, not a grant, thus no Catalogue for Federal Domestic Assistance (CFDA) number applies to the funding of this contract.

**CLAUSE 7 - REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER
THAN COST OR PRICING DATA - CONTRACT MODIFICATIONS - 209-PD (07-02)**

I. Exceptions from cost or pricing data.

A. In lieu of submitting cost or pricing data for modifications under this contract, for price adjustments expected to exceed the threshold set forth at FAR 15.403-4 on the date of the agreement on price or the date of the award, whichever is later, the Contractor may submit a written request for exception by submitting the information described in the following subparagraphs. The Sandia Contracting Representative (SCR) may require additional supporting information, but only to the extent necessary to determine whether an exception should be granted, and whether the price is fair and reasonable --

1. Identification of the law or regulation establishing the price offered. If the price is controlled under law by periodic rulings, reviews, or similar actions of a governmental body, attach a copy of the controlling document, unless it was previously submitted to the contracting office.

2. Information on modifications of contracts or subcontracts for commercial items.

(a) If (1) The original contract or subcontract was granted an exception from cost or pricing data requirements because the price agreed upon was based on adequate price competition or prices set by law or regulation, or was a contract or subcontract for the acquisition of a commercial item; and (2) the modification (to the contract or subcontract) is not exempted based on one of these exceptions, then the Contractor may provide information to establish that the modification would not change the contract or subcontract from a contract or subcontract for the acquisition of a commercial item to a contract or subcontract for the acquisition of an item other than a commercial item.



Operated for the U.S. Department of Energy by
Sandia Corporation

(b) For a commercial item exception, the Contractor shall provide, at a minimum, information on prices at which the same item or similar items have previously been sold that is adequate for evaluating the reasonableness of the price of the modification.

Such information may include: (1) For catalog items, a copy of or identification of the catalog and its date, or the appropriate pages for the offered items, or a statement that the catalog is on file in the buying office to which the proposal is being submitted. Provide a copy or describe current discount policies and price lists (published or unpublished), e.g., wholesale, original equipment manufacturer, or reseller. Also explain the basis of each offered price and its relationship to the established catalog price, including how the proposed price relates to the price of recent sales in quantities similar to the proposed quantities; (2) For market-priced items, the source and date or period of the market quotation or other basis for market price, the base amount, and applicable discounts. In addition, describe the nature of the market; (3) For items included on an active Federal Supply Service Multiple Award Schedule contract, proof that an exception has been granted for the schedule item.

B. The Contractor grants the SCR or an authorized representative the right to examine, at any time before award, books, records, documents, or other directly pertinent records to verify any request for an exception under this clause, and the reasonableness of price. For items priced using catalog or market prices, or law or regulation, access does not extend to cost or profit information or other data relevant solely to the Contractor's determination of the prices to be offered in the catalog or marketplace.

II. Requirements for cost or pricing data.

If the Contractor is not granted an exception from the requirement to submit cost or pricing data, the following applies:

A. The Contractor shall submit cost or pricing data and supporting attachments in accordance with Table 15-2 of FAR 15.408.

B. As soon as practicable after agreement on price, but before award (except for unpriced actions), the Contractor shall submit a Certificate of Current Cost or Pricing Data, as prescribed by FAR 15.406-2.

CLAUSE 8 - COMPLIANCE WITH INTERNET PROTOCOL VERSION 6 (IPv6) - 294-IP (08-06)

If this contract involves the acquisition of Information Technology (IT) that uses Internet Protocol (IP) technology, the contractor agrees that: (1) all deliverables that involve IT that uses IP (products, services, software, etc.) will comply with IPv6 standards and interoperate with both IPv6 and IPv4 systems and products; and (2) it has IPv6 technical support for development and implementation and fielded product management available. If the contractor plans to offer a deliverable that involves IT that is not initially compliant, the contractor agrees to: (1) obtain the Sandia Contracting Representative's approval before starting work on the deliverable; (2) provide a migration path and firm commitment to upgrade to IPv6 for all application and product features by June 2008; and (3) have IPv6



Operated for the U.S. Department of Energy by
Sandia Corporation

technical support for development and implementation and fielded product management available.

Should the contractor find that the statement of work or specifications of this contract do not conform to the IPv6 standard, it must notify the Sandia Contracting Representative of such nonconformance and act in accordance with instructions of the Sandia Contracting Representative.

CLAUSE 9 - DELEGATION OF AUTHORITY - 404-KDB (09-07)

The following Sandia personnel are hereby authorized to act as Sandia Delegated Representatives (SDRs) for the specific purpose(s) shown, subject to the Section II limitations as authorized.

Delegated representatives shall exercise no supervision over the Contractor's employees.

Sandia Delegated Representative(s) (SDR):

NAME	PHONE	ORG/MS
------	-------	--------

****EACH TASK ORDER SHALL HAVE ITS OWN SDR IDENTIFIED****

DUTIES DELEGATED:

Provide technical liaison, inspect and accept deliverables, review invoices, approve all domestic and foreign travel in accordance with CPR400.3.13.

With regard to foreign travel, the Sandia Delegated Representative (SDR) will ensure the Contractor has successfully completed the required training (EC100 and FCPA100), will obtain the required DOE/NNSA advance approval of foreign travel for the Contractor using Sandia's Foreign Travel Office, and will ensure that the required post-travel trip report has been submitted, in accordance with the requirements of CPR 400.3.13. The SDR will maintain copies of all required documentation.

NOTE: The Sandia Contracting Representative (SCR) is the only person who can legally obligate Sandia for the expenditure of funds, change scope and/or level of effort and/or terms and conditions, negotiate, and sign documents legally binding Sandia. COMMITMENT, OBLIGATIONS OR PROMISES, IMPLIED OR EXPRESSED, BY SANDIA PERSONNEL OTHER THAN THE SCR DO NOT BIND SANDIA IN ANY MANNER.

CLAUSE 10 - UNIVERSITY EMPLOYEES - 431-UNI (SPECIAL)

The Contractor agrees by signing the contract Cover Page that the Contractor treats all individuals who will be performing work under this proposed agreement as employees of the Contractor (except those individuals working directly or indirectly for any subcontractor or consultant under this contract), and that the Contractor will not use any non-employees on the Sandia contract without the advance written permission from the Sandia Contracting Representative. Having a subcontractor or consultant listed in the contract will constitute prior written permission.



Operated for the U.S. Department of Energy by
Sandia Corporation

CLAUSE 11 - INDEPENDENT CONTRACTOR RELATIONSHIP - 434-ICR (SPECIAL)

(a) Contractor is an independent contractor in all its operations and activities related to this contract. Except for subcontractors and consultants, the employees used by Contractor to perform Work under this Contract shall be Contractor's employees without any relation whatsoever to Sandia Corporation.

(b) Contractor shall be responsible for all losses, costs, claims, causes of action, damages, liabilities, and expenses, including attorneys' fees, all expenses of litigation and/or settlement, and court costs, arising from any negligent or intentional act or omission of Contractor, its officers, employees, and agents, in the performance of any of its obligations under this Contract.

(c) Contractor shall indemnify and hold harmless Sandia from and against any actual or alleged liability, loss, costs, damages, fees of attorneys, and other expenses which Sandia may sustain or incur in consequence of:

(i) Contractor's failure to pay any employee for the Work rendered

under this Contract, or

(ii) any claims made by Contractor's personnel against Sandia arising from any negligent or intentional act or omission of Contractor, its officers, employees, and agents in the performance of any of its obligations under this Contract.

The Contractor shall flow down the requirements of this clause to any applicable subcontracts for services.

CLAUSE 12 - ACQUISITION OR FABRICATION OF PROPERTY FOR SANDIA AND THE GOVERNMENT - 506-AF (12-07)

(a) "Property" as used in this clause, means all property both real and personal as defined in Federal Acquisition Regulation Part 45. It includes: facilities, material, special tooling (such as jigs, dies, fixtures, molds, patterns, taps, and gauges), and special test equipment.

(b) Contractor is authorized to acquire and/or fabricate property in performance of this contract as described elsewhere in this contract.

(c) Contractor shall identify all property described under Paragraph (a) herein and maintain inventory records on this property in accordance with the provisions of the property clause of this contract.

(d) Contractor shall promptly report the acquisition and/or fabrication of all property described under Paragraph (b) herein, whether acquired by the Contractor or by a subcontractor of any tier, by: (i) completing Sandia Form SF 6110-AA (located at URL address: <http://www.sandia.gov/bus-ops/scm/Contractor/Contractor-info.html>) and mailing it to the SCR within 30 days of any such acquisition and/or fabrication, (ii) separating amounts invoiced for such acquisition and/or fabrication on Contractor's invoices submitted to Sandia; and (iii) sending 1 copy of all invoices containing billings for such acquisitions and/or fabrications to the Sandia Contracting



Operated for the U.S. Department of Energy by
Sandia Corporation

Representative (SCR).

(e) Sandia may conduct inventories verifying the presence and condition of property described under Paragraph (b) herein in accordance with the provisions of the property clause of this contract.

(f) Contractor shall conduct an annual inventory of all property described under Paragraph (b) herein when requested by the SCR.

(g) Contractor shall deliver all property described under Paragraph (b) herein to Sandia when this contract is fully performed unless Contractor is directed, in writing, by the SCR to make other disposition of the property. Contractor shall notify the SCR in writing when the property is sent to Sandia or disposed of in accordance with the SCR's written instructions.

(h) Contractor's failure to comply with this Clause may result in Sandia reducing payments made under this contract by the value of property described in Paragraph (b) herein that has previously been paid for by Sandia.

(i) Contractor shall include the provisions of this clause including this paragraph in any subcontracts of any tier.

Description of property to be acquired and/or fabricated which was identified in Form SF 6110-AA.

To be used in manufacture, testing, inspection or performance required in this procurement:

Item	Qty	Unit Price	Extension	Property Number	Ship Date
------	-----	------------	-----------	-----------------	-----------

001 **TO BE COMPLETED ON EACH TASK ORDER AS REQUIRED**
Desc:

Total Value: \$

All government property/material shall remain located at the Contractor's facility or at the related work site. It is not acceptable for government property to be taken to a Contractor employee's home or other such nonwork location.

CLAUSE 13 - GOVERNMENT-FURNISHED PROPERTY/MATERIAL - 508-KS (10-99)

Sandia will furnish at no charge, FOB Destination, the items listed below for use only in the performance of this procurement.

Upon receipt of the property/material, Contractor shall perform an inventory and promptly notify the Sandia Contracting Representative (SCR) if there is any discrepancy in the quantity received and if any items are found to be in a condition not suitable for the intended use. An inventory verifying the presence and condition of the property/material may be conducted by Sandia personnel at Contractor's facility at any time throughout the course of the contract. The SCR may direct the Contractor, in writing, to conduct an inventory of Government-furnished property/material in lieu of or in addition to an on-site inventory performed by Sandia personnel.



Operated for the U.S. Department of Energy by
Sandia Corporation

Any property/material listed herein not incorporated into product or otherwise used under this procurement shall be returned to Sandia upon completion of this procurement or shall be disposed of as directed by the SCR.

Government-furnished property may be subject to export control under Titles 10, 15, 22, and 31 of the Code of Federal Regulations. If ownership of this property is transferred to, or otherwise acquired by the Contractor, they are liable for compliance with these laws and regulations. Furthermore, any Government-furnished property that meets the criteria for the Nuclear Supplier's Group "Trigger List" or the Nuclear Suppliers Group Dual-Use Export Control List shall be returned to SNL within thirty (30) days of contract expiration. Under no circumstances shall the Contractor retain such property or transfer it to any entity other than Sandia.

Description of Furnished Property

To be used in manufacture, testing, inspection or performance required in this procurement:

Item	Qty	Unit Price	Extension	Property Number	Ship Date
001					
Desc: **TO BE COMPLETED ON EACH TASK ORDER AS REQUIRED**					

Total Value: \$

To be incorporated into the end product delivered under this procurement:

Item	Qty	Unit Price	Extension	Property Number	Ship Date
001					
Desc: **TO BE COMPLETED ON EACH TASK ORDER AS REQUIRED**					

Total Value: \$

To be incorporated into the end product and to be replaced in kind by Contractor:

Item	Qty	Unit Price	Extension	Property Number	Ship Date
001					
Desc: **TO BE COMPLETED ON EACH TASK ORDER AS REQUIRED**					

Total Value: \$

To be consumed in the performance of this procurement:

Item	Qty	Unit Price	Extension	Property Number	Ship Date
001					
Desc: **TO BE COMPLETED ON EACH TASK ORDER AS REQUIRED**					

Total Value: \$



Operated for the U.S. Department of Energy by
Sandia Corporation

All Government-furnished property/material shall remain located at the Contractor's facility or at the related work site. It is not acceptable for government property to be taken to a Contractor employee's home or other such nonwork location.

Contractor's Use/Storage Location of Furnished Property:

****TO BE COMPLETED ON EACH TASK ORDER AS REQUIRED****

**CLAUSE 14 - DISPOSITION OF GOVERNMENT-FURNISHED PROPERTY - 516-KSP
(01-02)**

The funds obligated herein shall include the total cost to both properly safeguard and protect all such property, reusable shipping containers, and packaging material as well as funds to adequately package, protect, and ship the property. The Contractor shall assure prompt and safe disposition, as directed by the SCR, of all accountable Government-Furnished Property (GFP) that is controlled by the Contractor under this contract. Unless otherwise directed, the property shall be shipped FOB Destination to the address below, to arrive at Sandia no later than thirty (30) calendar days after the expiration of the contract period of performance, as amended. Sandia may withhold final payment or an appropriate amount of consideration until final disposition of all GFP is effected.

Sandia/NM, Traffic Section (505/844-4361) must be contacted for instructions prior to shipment. Sandia's shipping address is as follows:

Sandia National Laboratories
Receiving Section, Bldg. 957
Attn: Property Control, Contract No. _____
1515 Eubank S.E.
Albuquerque, NM 87123

**** TO BE INCLUDED IN APPLICABLE TASK ORDERS AS REQUIRED ****

CLAUSE 15 - EXPORT CONTROL - 617-EXP (10-99)

Information, data or materials sent to Contractor under this contract may be export controlled. As required by federal laws and regulations, the Contractor shall obtain any license required before passing any such information, data or materials to any foreign national inside or outside the United States.

CLAUSE 16 - MAXIMUM ALLOWABLE TRAVEL COSTS FOR EDUCATIONAL INSTITUTIONS - 814-CAU (09-07)

Sandia anticipates that some travel may be necessary. Office of Management and Budget (OMB) Circular A-21 as amended, or any superceding regulation, shall apply to all travel under this contract. OMB-A21 provides in part:

Travel costs may be charged on an actual basis, on a per diem or



Operated for the U.S. Department of Energy by
Sandia Corporation

mileage basis in lieu of actual costs incurred, or on a combination of the two, provided the method used results in reasonable charges, and is in accordance with the institution's travel policy and practices and consistently applied to all institutional travel activities.

The SDR has been delegated the responsibility for authorizing in writing both foreign and domestic travel. The Sandia Delegated Representative (SDR) will obtain the required DOE/NNSA approvals for the Contractor in accordance with CPR400.3.13.

NOTE: Foreign travel is defined as follows: (1) any travel between the United States and its territories and possessions, and any other destination, including Canada and Mexico; (2) travel between foreign countries by persons including foreign nationals whose salaries or travel expenses will be funded by DOE or NNSA; (3) Foreign travel funded by non-DOE or non-NNSA sources for which the traveler represents SNL, the DOE or NNSA, or conducts business on behalf of the U.S. Government. ALL foreign travel must have advance approval from the U.S. Department of Energy/National Nuclear Security Administration (DOE/NNSA), through the DOE's Foreign Travel Management System (FTMS). The Contractor must take the required training (EC100 and FCPA100), and submit a post-travel trip report.

NOTE: The Contractor is prohibited from traveling outside the United States until the SDR has notified the Contractor in writing that DOE/NNSA approval for foreign travel has been granted. The notification from the SDR will include the approved foreign destinations, time frames, and other applicable information; a copy will be sent to the SCR. The Contractor will not be reimbursed for any foreign travel expenses if written notification of DOE/NNSA approval from the SDR was not received prior to incurring costs for the foreign travel.

CLAUSE 17 - ACQUISITION CONFLICT RESOLUTION PROCESS - 850-ACR (12-04)

Sandia encourages open, honest communication between suppliers, Contractors, and the Sandia Contracting Representative (SCR) in resolving a concern. It is always best to resolve issues in an open atmosphere between the suppliers, Contractors, and SCRs without escalating the problem. The goal is to ensure timely resolution of the problem without undue expense to either parties involved.

It is the intent of Sandia to resolve supplier and Contractor concerns through a Conflict Resolution Process, that is timely, includes several options, is easy to use, and provides satisfactory results to both the supplier, Contractor, and Sandia. This process is described at the following URL address:
http://www.sandia.gov/bus-ops/scm/forms/policy/sand2007_7107_P_AcquisitionConflict-res.pdf

Among the options available is for the suppliers and Contractors is to use the Sandia Ombuds Office at (505) 844-9763 (New Mexico) or (925) 294-3655 (California) to address concerns regarding Sandia procurement actions.

By submitting a response to the solicitation, the supplier agrees to use the Acquisition Conflict Resolution Process at the URL listed to resolve award controversies.



Operated for the U.S. Department of Energy by
Sandia Corporation

After award of a contract/agreement, the Contractor agrees to the Acquisition Conflict Resolution Process at the URL listed to resolve any contract/agreement disputes that occur during the performance of the contract/agreement.

CLAUSE 18 - MODIFICATIONS TO SECTION II TERMS AND CONDITIONS

SANDIA NATIONAL LABORATORIES (SNL) SECTION II TERMS AND CONDITIONS APPLY TO THIS ORDER, WITH THE EXCEPTION OF THE FOLLOWING CHANGES:

SECTION II CLAUSE EI07 - CONTRACTOR'S INFORMATION is revised in its entirety to read:

No specifications, drawings, sketches, models, samples, tools, technical information or data, written, oral or otherwise, required to be delivered by Contractor to Sandia per the Scope of Work shall be considered to be proprietary information of Contractor.

SECTION II CLAUSE EI15 - PAYMENTS, Subparagraph (c) Completion Voucher is revised, in part, as follows:

Change from:

The completion invoice or voucher shall be submitted by the Contractor promptly following completion of the work under this contract but in no event later than sixty (60) days (unless the SCR grants a further specific period of time) from the date of such completion.

Change to:

The completion invoice or voucher shall be submitted by the Contractor promptly following completion of the work under this contract but in no event later than ninety (90) days (unless the SCR grants a further specific period of time) from the date of such completion.

SECTION II CLAUSE EI15 - PAYMENTS, Subparagraph (e) Financial Settlement is revised, in part, as follows:

Change from:

The Contractor and each such assignee hereby agree that the failure to execute and deliver the aforesaid assignment and release within sixty (60) days of a written request therefore by the SCR shall be deemed to be and shall have the same effect as a release as set forth above in Item (2), including a release of all claims set forth in sub Items (i) and (iii) of Item (2).

Change to:

The Contractor and each such assignee hereby agree that the failure to execute and deliver the aforesaid assignment and release within ninety (90) days of a written request therefore by the SCR shall be deemed to be and shall have the same effect as a release as set forth above in Item (2), including a release of all claims set forth in sub Items (i) and (iii) of Item (2).

SECTION II CLAUSE EI24 - RIGHTS AND INTERESTS is revised in its entirety to read:



Sandia National Laboratories

SECTION I

Page 15 of 15

Operated for the U.S. Department of Energy by
Sandia Corporation

Any rights in the deliverables per the scope of work granted to Sandia shall pass directly from the Contractor to the government.

SECTION II CLAUSE EI26 - SANDIA PROVIDED INFORMATION is revised in its entirety to read:

Any and all physical forms of designs, design data, specifications, technical, scientific data, and other information furnished by Sandia to the Contractor shall remain the property of the government. Any and all such information provided by Sandia to the Contractor shall be used only for the purpose of enabling performance of this contract and, if marked proprietary, the Contractor shall use its reasonable efforts to prevent disclosure to others except when necessary in the performance of this contract.

DOCUMENTS INCORPORATED BY REFERENCE

Property Billable to Sandia Laboratories, SF 6110-AA
<http://www.sandia.gov/supplier/forms/>

SANDIA CORPORATION
SF 6432-EI (12-04)
SECTION II

**STANDARD TERMS AND CONDITIONS FOR ALL COST-REIMBURSEMENT OR
ORDERING AGREEMENTS WITH EDUCATIONAL INSTITUTIONS**

THE FOLLOWING CLAUSES APPLY TO THIS CONTRACT AS INDICATED UNLESS SPECIFICALLY DELETED, OR EXCEPT TO THE EXTENT THEY ARE SPECIFICALLY SUPPLEMENTED OR AMENDED IN WRITING IN THE COVER PAGE OR SECTION I.

EI01 - ACCEPTANCE OF TERMS AND CONDITIONS (Ts&Cs) Contractor, by signing this contract and/or delivering item or services ordered under this contract, agrees to comply with all the Ts&Cs and all specifications and other documents that this contract incorporated by reference or attachment. Sandia hereby objects to any Ts&Cs contained in any acknowledgment of this contract that are different from or in addition to those mentioned in this document. Failure of Sandia or Contractor to enforce any of the provisions of this contract shall not be construed as evidence to interpret the requirements of this contract, nor a waiver of any requirement, nor of the right of Sandia or Contractor to enforce each and every provision. All rights and obligations shall survive final performance of this contract.

EI02 - ALLOWABLE COSTS (a) Payment for allowable cost as hereinafter defined, shall constitute full and complete compensation for the performance of the work under this contract. (b) "Allowable cost" of performing the work under this contract shall be the costs and expenses that are actually incurred by the Contractor, which are applicable and properly chargeable, either as directly incident or as allocable through appropriate distribution or apportionment, to the performance of the contract work in accordance with its terms, and are determined by the Sandia Contracting Representative (SCR) to be allowable pursuant to this contract, including the additional provisions, if any, contained elsewhere in this contract relating to Advance Understanding on Particular Cost Items, and pursuant to Federal Acquisition Regulation (FAR) Part 31 as supplemented by Department of Energy Acquisition Regulations (DEAR) Part 931 of the in effect on the effective date of this contract and OMB Circular A21, subject to the following: (1) With respect to billing for indirect cost, Contractor shall bill for indirect cost at rates as close as possible to costs being experienced during contract performance. Contractor understands that contract overruns, due to under recovered indirect cost, may not be reimbursed by Sandia; and, over recoveries of indirect cost shall be payable upon demand, at any time, by the SCR. Contractor may, with the SCR's approval, bill at predetermined overhead and General and Administrative (G&A) rates applied to bases agreed upon by any government agency, which are determined in accordance with FAR Part 31 as supplemented by the DEAR in effect on the effective date of this contract; provided, however, that the Contractor shall adjust the indirect billing to conform to actual cost within sixty (60) days or the Contractor's normal monthly accounting cycle, whichever is earlier. (2) In the absence of predetermined overhead rates as provided for in subparagraph (1) above, if at any time prior to the final determination of costs hereunder there exists a rate or rates established by any government agency, based on audit of actual costs for the period of performance of the work hereunder or any substantial portion thereof, such rate or rates may, at the SCR's option, be used (after adjustment by Sandia if deemed appropriate, to

reflect the application of cost principles contained in this Allowable Costs Clause and the DEAR and FAR subparts referred to above) in determining allowable indirect costs hereunder. (3) In the absence of predetermined overhead rates as provided for in subparagraph (1) above and in the absence of a rate or rates acceptable to Sandia as provided for in subparagraph (2) above, indirect cost shall be determined in accordance with FAR Part 31 as supplemented by DEAR Part 931 by a Sandia audit. (4) No overtime premium costs, shift differential, holiday, or other premium pay for time worked on direct labor are authorized as direct charges to this contract except when paid for work: necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns, of production equipment, or occasional production bottlenecks of a sporadic nature; by indirect labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting; in the performance of tests, industrial processes, laboratory procedures, loading or unloading of transportation media, and operations in flight or afloat, which are continuous in nature and cannot reasonably be interrupted or otherwise completed; or which will result in lower cost to Sandia. (5) As used in FAR Part 31 and DEAR Part 931 the words: "Contracting Officer" or "Field Office Manager" shall mean the SCR, "Department of Energy/National Nuclear Security Administration (DOE/NNSA)" or "Sponsoring Agency" shall mean Sandia; "Federal Government" or "government," in connection with government agencies or government property, shall mean the United States of America. (6) Each individual Contractor employee salary amounting to \$100,000 or more annually is subject to advance approval of the SCR where fifty percent (50%) or more of such salary is to be reimbursed under DOE/NNSA cost-type contracts for on-site (Sandia/DOE/NNSA premises) services.

EI03 - APPLICABLE LAW The rights and obligations of the parties hereto shall be governed by this contract and construed in accordance with the law of the state of delivery, except for FAR and FAR supplement clauses which shall be in accordance with federal law. The parties agree to jurisdiction in the Federal District Court, with venue in the district closest to the delivery point of the items or services giving rise to the claim. In the event the requirements for jurisdiction in Federal District Court are not present, such litigation shall be brought in the State Court closest to the delivery point of the item or services giving rise to the claim.

EI04 - ASSIGNMENT Contractor shall not assign rights or obligations to third parties without the prior written consent of Sandia. However, the Contractor may assign rights to be paid amounts due or to become due if Sandia is promptly furnished an executed Assignment of Payments form. Administration of this contract may be transferred from Sandia to DOE/NNSA or its designee, and in case of such transfer and notice thereof to the Contractor, Sandia shall have no further responsibilities hereunder.

EI05 - BREACH OF CONTRACT Any Contractor personnel who personally violate any requirements of this contract may be denied access to any government site and Contractor may be terminated for default of this contract. Should one or more other contracts, now or hereafter, exist between Sandia and the Contractor or with any affiliated corporation or company of the Contractor, then a breach by the Contractor of any contract, may, at the option of Sandia, be considered a breach of all contracts; and in that event Sandia may terminate any or all of the contracts, or may withhold monies due or to become due on any such contracts, and apply the same toward payment of any

damages suffered on that or any other existing contract between Sandia and the Contractor

EI06 - COMPLIANCE WITH LAWS Contractor shall procure all necessary permits or licenses and abide by all applicable foreign, federal, state and local laws, ordinances, or regulations, in which any work under this contract is performed which are in any way applicable to the Statement of Work (SOW) of this contract.

EI07 - CONTRACTOR'S INFORMATION No specifications, drawings, sketches, models, samples, tools, technical information or data, written, oral or otherwise, furnished by Contractor to Sandia hereunder, or in contemplation hereof, shall be considered to be proprietary information of Contractor.

EI08 - DEFINITIONS The following terms shall have the meanings set forth below for all purposes of this contract:

(a) **CONTRACT** means Purchase Order (PO), Contract, Price Agreement, Subcontract, Ordering Agreement (OA), or modifications thereof.

(b) **CONTRACTOR** means the person or organization that has entered into this contract to sell something to Sandia.

(c) **CONTRACTOR-DIRECTED WORK** means work under a contract for which the Contractor is accountable for the outcome of the work performed and routinely provides work direction to the Contractor's work force.

(d) **GOVERNMENT** means the United States of America and includes the U.S. Department of Energy (DOE)/National Nuclear Security Administration (NNSA) or any duly authorized representative thereof.

(e) **ITEM** means commercial items, commercial services and commercial components as defined in FAR 52.202-1.

(f) **SANDIA** means Sandia Corporation, the Management and Operating (M&O) Contractor for the Sandia National Laboratories under Contract No. DE-ACO4-94AL-85000 with the U.S. Department of Energy/National Nuclear Security Administration.

(g) **SANDIA-DIRECTED WORK** means work under a contract for which Sandia retains accountability for the outcome of the work performed and routinely provides work direction to the Contractor's work force.

(h) **SCR** means Sandia Contracting Representative, the only person authorized to execute and/or administer this contract for Sandia.

(i) **SDR** means Sandia Delegated Representative. The SCR may delegate personnel as authorized representatives for such purposes as and to the extent specified in the delegation. Such delegation shall be in writing to the Contractor, and shall designate by name the personnel so delegated as authorized representatives. The SDR shall exercise no supervision over the Contractor's employees.

THE SDR's AUTHORITY IS LIMITED SOLELY TO THE AUTHORITY ENUMERATED IN SUCH WRITTEN DELEGATION. THE SDR HAS NO AUTHORITY TO CHANGE ANY TERM OR CONDITION CONTAINED IN THIS CONTRACT.

(j) **SUBCONTRACT** means any lower tier contract under this contract.

EI09 - DISPUTES Contractor and Sandia agree to use the Sandia Acquisition Conflict Resolution Process set forth at: <http://www.sandia.gov/policy/58g.pdf> for resolving any and all disputes arising

from this contract.

EI10 - ESTIMATES OF COST AND LIMITATION OF OBLIGATION, IF APPLICABLE

(a) Initial Estimate of Cost and Obligation of Funds. The presently estimated cost and the obligation of funds for the work under this Contract are set forth in Section 1, if applicable.

(b) Revised Estimates of Cost. The presently estimated cost for the work under this contract may be increased unilaterally by the SCR by written notice to the Contractor and may be increased or decreased by written agreement of the parties.

(c) Limitation of Obligation. Payments on account of costs shall not in the aggregate exceed the amount of funds presently obligated hereunder.

(d) Notice of Costs Approaching Funds Obligated - Contractor Excused Pending Increase When Obligation is Reached. Whenever the Contractor has reason to believe that the total cost of the work under this contract will be greater or substantially less than the presently estimated cost of the work, the Contractor shall promptly notify the SCR in writing. The Contractor shall also notify the SCR in writing when the aggregate of expenditures, liabilities, and outstanding commitments allowable under this contract is equal to seventy-five percent (75%) (or such other percentage as the SCR may from time-to-time establish by notice to the Contractor) of the amount of funds presently obligated hereunder. When such expenditures and outstanding commitments equal one hundred percent (100%) of such amount, the Contractor shall make no further commitments or expenditures (except to meet existing commitments) and shall be excused from further performance of the work unless and until the SCR thereafter shall have notified the Contractor in writing that such amount has been increased. No notice, communication or representation in any other form or from any person other than the SCR or the person delegated in this contract shall affect the estimated cost or funds obligated hereunder. In the absence of the specified notice, Sandia shall not be obligated to reimburse the Contractor for any costs in excess of the funds obligated hereunder, whether those excess costs were incurred during the course of the contract or as a result of termination. In the event the Contractor incurs cost in excess of the funds obligated hereunder without receiving a prior notice from the SCR increasing such funds, the funds obligated hereunder may be increased at the sole discretion of the SCR to permit the Contractor to be reimbursed for all or a portion of such costs. However the SCR is not obligated to increase funding due to an after-the-fact indirect rate adjustment determined by a government audit agency. When and to the extent that the funds obligated hereunder have been increased, any costs incurred by the Contractor in excess of the funds obligated hereunder prior to such increase shall be allowable to the same extent as if such costs had been incurred after such increase, unless the SCR issues a termination notice and directs that the increase is solely for the purpose of covering termination expenses. In the event this contract is terminated or the funds obligated hereunder are not increased enough to cover all costs, the government shall be entitled to all property produced or purchased under the contract except that property which the Contractor shall demonstrate to have been produced or purchased solely with Contractor's funds in excess of the funds obligated hereunder and which can be severed from the government property without damage thereto.

(e) Sandia's Right to Terminate Not Affected. The giving of any notice by either party under this clause shall not be construed to waive or impair any right of Sandia to terminate this contract under the provisions of the clause entitled "Termination."

(f) Cost Information. The Contractor shall maintain current actual cost information adequate to reflect the cost of performing the work under this contract at all times while the work is in progress, and shall prepare and furnish to Sandia such written estimates of cost and information in support

thereof as the SCR may request.

(g) Correctness of Estimates Not Guaranteed. Neither Sandia nor the Contractor guarantees the correctness of any estimate of cost for performance of the work under this contract, and Contractor shall invoice Sandia at actual cost unless Section I of this contract provides otherwise.

EI11 - EXCESS FREIGHT CHARGES When Sandia pays any amounts for freight charges in connection with this contract, Contractor is responsible for and shall pay to Sandia the amount of any excess freight charges if the routing specified in writing by the SCR is not used. If the specified routing cannot be used, Contractor shall promptly notify the SCR before shipment, and obtain new routing directions from the SCR.

EI12 - FREIGHT CHARGE (a) Freight and Parcel Bills. The Contractor shall transmit to the SCR, each calendar quarter, a legible copy of paid freight and parcel bills covering property transported to the Contractor for Sandia's account and for which Sandia will assume the freight or parcel charges under the direct cost provisions of this contract. However, the following paid bills shall not be submitted to the SCR but shall be retained by the Contractor: rail freight forwarder, air, steamship, motor truck, and parcel bills amounting to less than \$500. All bills shall be marked on the face, "This shipment is for the U.S. Department of Energy. It is subject to the Ts&Cs of the U.S. Government Bill of Lading form and to any available special rates or charges." **(b) Excess Freights Charges.** When Sandia pays any amounts for freight charges in connection with this contract, Contractor is responsible for and shall pay to Sandia the amount of any excess freight charges if the routing specified in writing by the SCR is not used. If the specified routing cannot be used, Contractor shall promptly notify the SCR before shipment, and obtain new routing directions from the SCR.

EI13 - GOVERNMENT PROPERTY, MATERIAL, AND EQUIPMENT Except as provided for in Section I, Contractor must list the government material/equipment Contractor will use in the performance of the SOW in this contract and provide details concerning its use. Identification, inspection, maintenance, protection, and disposition of government property shall conform with the policies and principles of FAR Part 45, 48 CFR (DEAR) 945, the Federal Property Management Regulations 41 CFR 101, the DOE Property Management Regulations 41 CFR 109, and DEAR 970.5245-1 Property (Alternate).

EI14 - ORDER OF PRECEDENCE This contract is subject only to the Ts&Cs set forth in the following documents: Cover Page, Section I, and Section II of this contract, and the specifications and drawings or other documents, if any, referenced therein. In case of conflict or inconsistency between or among one or more provisions of the above documents, the provisions of each document shall take precedence over the provisions of the other documents in the following order of priority: Section I, Cover Page, Section II, specifications, drawings, and other documents, if any incorporated into this contract by reference thereto.

EI15 - PAYMENTS (a) Payments on Account of Allowable Costs. Once each month (or at more frequent intervals, if approved by the SCR) the Contractor may submit to Sandia, Accounts Payable Department, in such form and reasonable detail as may be required by the SCR, an invoice or voucher supported by a statement of costs incurred by the Contractor in the performance of this contract and claimed to constitute allowable costs. "Allowable costs" includes, but is not limited to, actual indirect

rate cost experience during the period of performance unless Section I of this contract indicates otherwise. Promptly after receipt of each invoice or voucher Sandia shall, subject to the provisions of (b) below, make payment thereon in accordance with contract provisions. Payments may be made either by check or electronic funds transfer, at the option of Sandia. Payment shall be deemed to have been made as of the date of mailing or the date on which an electronic funds transfer was made. Costs for items of Capital Property (defined in FAR 52.245-5 - Government Property) if applicable, shall be separately listed in invoices. Discount time will be computed from the date correct invoice or voucher is received in the office specified in the contract, or date of completion of work under this contract, whichever is later. Payment is deemed to be made, for the purpose of earning the discount, on the date of mailing of Sandia's check or date on which an electronic funds transfer was made. Sandia may take contract or invoice prompt payment discount. Any travel outside the United States by Contractor personnel, in connection with work under this contract, requires advance written approval by the SCR.

(b) Audit Adjustments. At any time or times prior to settlement under this contract the SCR may have invoices or vouchers and statements of cost audited. Each payment there to for made shall be subject to reduction for amounts included in the related invoice or voucher which are found by the SCR, on the basis of such audit, not to constitute allowable cost. Any payment may be reduced for overpayments, or increased for underpayments, on preceding invoices or vouchers.

(c) Completion Voucher. On receipt and approval of the invoice or voucher designated by the Contractor as the "completion invoice" or "completion voucher" and upon compliance by the Contractor with all the provisions of this contract (including, without limitation, the provisions relating to patents and provisions of (e) below) Sandia shall promptly pay to the Contractor any balance of allowable cost. The completion invoice or voucher shall be submitted by the Contractor promptly following completion of the work under this contract but in no event later than sixty (60) days (unless the SCR grants a further specific period of time) from the date of such completion.

(d) Applicable Credits. The Contractor agrees that any refunds, rebates, credits, or other amounts (including any interest thereon) accruing to or received by the Contractor or any assignee under this contract shall be paid by the Contractor to Sandia to the extent that they are properly allocable to costs for which the Contractor has been reimbursed by Sandia under this contract. Reasonable expenses incurred by the Contractor for the purpose of securing such refunds, rebates, credits, or other amounts shall be allowable costs hereunder when approved by the SCR.

(e) Financial Settlement. Prior to final payment under this contract, the Contractor and each assignee whose assignment is in effect at the time of final payment under this contract shall execute and deliver: (1) an assignment to Sandia in form and substance satisfactory to the SCR of refunds, rebates, credits or other amounts (including any interest thereon) properly allocable to costs for which the Contractor has been reimbursed by Sandia under this contract; and (2) a release discharging Sandia and the government, their officers, agents and employees from all liabilities, obligations, and claims arising out of or under this contract, subject only to the following exceptions: (i) specified claims in stated amounts or in estimated amounts where the amounts are not susceptible of exact statement by the Contractor; (ii) claims, together with reasonable expenses incidental thereto, based upon liabilities of the Contractor to third parties arising out of performance of this contract; provided that such claims are not known to the Contractor on the date of the execution of the release; and provided further that the Contractor gives notice of such claims in writing to the SCR not more than three (3) years after the date of the release or the date of any notice to the Contractor that Sandia is prepared to make final payment, whichever is earlier; and (iii) claims for reimbursement of costs (other than expenses of the

Contractor by reason of any indemnification of Sandia or the government against patent liability), including reasonable expenses incidental thereto, incurred by the Contractor under the provisions of this contract relating to patents. The Contractor and each such assignee hereby agree that the failure to execute and deliver the aforesaid assignment and release within sixty (60) days of a written request therefore by the SCR shall be deemed to be and shall have the same effect as a release as set forth above in Item (2), including a release of all claims set forth in sub Items (i) and (iii) of Item (2).

EI16 - PERFORMANCE EVALUATION PROGRAM In keeping with Sandia's goals of continuous improvement, and promoting and creating an environment for superior Contractor performance, Sandia has established a collaborative feedback process through the Performance Evaluation Program. This program is intended to create an environment, which fosters dialog, provides feedback, and improves communication. Any contract awarded by Sandia is a candidate for evaluation under this program. Details on the evaluation program can be viewed at <http://www.sandia.gov/supplier/contracts/prequal/performanceval.htm>

EI17 - PRICING OF CONTRACT AND SUBCONTRACT MODIFICATIONS The cost principles and procedures set forth in FAR Part 31 as modified by DEAR Part 931 shall be used to price contract and subcontract modifications, if any, whenever cost analysis is performed to negotiate the price of any such modification.

EI18 - PRICE-ANDERSON AMENDMENTS ACT (PAAA) (a) Regulatory Liability. If the item(s) or service(s) required by the Purchase Order (PO) is related to nuclear or radiological safety, then the item(s) or service(s) are regulated by the DOE/NNSA under the provisions of Federal Regulations 10 CFR 820, 10 CFR 830, and 10 CFR 835 (Price-Anderson Amendments Act – 1988). The supplier shall incorporate all applicable PO requirements into all supplier-issued procurement documents. Flow-down of PO requirements shall be verbatim, i.e., without change or modification. Lower-tier subcontracting requires flow-down of all applicable requirements to each supplier at any tier. **(b) Occupational Radiation Protection.** The Contractor shall comply with applicable requirements in Sandia's Radiation Protection Procedures Manual (RPPM) unless the Contractor's activities specified in the SOW shall be regulated through a license by the Nuclear Regulatory Commission or a state under an agreement with the Nuclear Regulatory Commission. (Upon request the Sandia Contracting Representative (SCR) will make the RPPM available.)

EI19 - QUALITY ASSURANCE PROGRAM If Section I of this contract includes Standard Clause 109-QSP- Quality Significant Purchase, the Contractor shall have a Quality Assurance (QA) program which provides for control of activities affecting quality of the item(s) or service(s) specified in the SOW to an extent consistent with their importance. Such program shall be documented by written policies, procedures, or instructions and shall be carried out by the Contractor in accordance with those policies, procedures, or instructions. The Contractor's QA program shall be in accordance with 10 CFR 830 and DOE O 414.1C located at <http://www.directives.doe.gov>

EI20 - RECYCLED OR NEW MATERIALS Except as otherwise provided in the SOW or Contractor's quotation, the quoter certifies that any products to be furnished are new (not used or reconditioned) and not of such age or so deteriorated as to impair their usefulness or safety.

EI21 - RELEASE OF INFORMATION (a) No invention, export control or classified information relating to this contract shall be released other than to Contractor's employees or those of Contractor's subcontractors requiring the information for performance of the SOW of this contract without advance written approval of the SCR. In no event shall the interest of Sandia or the DOE/NNSA or the government in this contract be indicated in any advertising or publicity without advance written approval of the SCR. This shall not be construed to prohibit Contractor from fulfilling routine internal or external reporting of its activities, including the disclosure of the existence and nature of this contract as required by law. External reporting as used in this clause refers to reports submitted to state or federal government offices. (b) The Contractor shall closely coordinate with the SCR regarding any proposed scientific, technical or professional publication of the results of the work performed or any data developed under this contract. The Contractor shall provide Sandia an opportunity to review any proposed manuscripts describing, in whole or in part, the results of the work performed or any data developed under this contract at least forty-five (45) days prior to their submission for publication. Sandia will review the proposed publication and provide comments. A response shall be provided to the Contractor within forty-five (45) days; otherwise, the Contractor may assume that Sandia has no comments. Subject to the security requirements of this contract, the Contractor agrees to address any concerns or issues identified by Sandia prior to submission for publication. (c) The Contractor may acknowledge the Contractor and government sponsorship of the work as appropriate. (d) The Contractor shall insure that the recipient of any information provided by the Contractor complies with the provisions of this clause.

EI22 - RELEASES VOID Sandia's and the government's representatives shall not be required to waive or release any personal rights in connection with any visits to Contractor's premises and Contractor agrees that no such waiver or release shall be pleaded by Contractor in any action or proceeding.

EI23 - REPORTS REQUIRED BY THIS CONTRACT Final reports following completion of the work required by this contract and interim reports as may be required by this contract constitute deliverables under this contract and shall be submitted in an electronic format such as Microsoft Word or other format commonly used at Sandia along with any paper format required by this contract and shall be submitted on 3.5 inch floppy disk, CD ROM or other media requested by the SDR .

EI24 - RIGHTS AND INTERESTS All rights and interests resulting from this contract shall pass directly from the Contractor to the government. FAR 52.227-17 applies to all deliverables which are copyrightable works produced as part of the performances of this contract.

EI25 - RISK OF LOSS If Sandia is responsible for the risk of loss during transportation of compliant item, Sandia shall compensate Contractor the lesser of: (1) the agreed price of such item, or (2) the Contractor's cost of replacing such item, and such loss shall entitle the Contractor to an equitable adjustment in delivery schedule obligations.

EI26 - SANDIA PROVIDED INFORMATION Any and all physical forms of designs, design data, specifications, technical, scientific data, and other information furnished by Sandia to the Contractor shall remain the property of the government. Any and all such information provided by Sandia to the Contractor shall be used only for the purpose of enabling performance of this contract

and the Contractor shall use its best efforts to prevent disclosure to others except when necessary in the performance of this contract.

EI27 - SUBCONTRACTS If Contractor subcontracts any work in the performance of this contract, Contractor shall incorporate into very such contract the appropriate set of Ts&Cs found at: <http://www.sandia.gov/supplier/terms/> or use the SF 6432-CI for the purchase of commercial items.

EI28 - TAXES By reason of Sandia's Nontaxable Transaction Certificate, the Contractor should not incur nor include in the price any state and local taxes. If performance occurs in New Mexico the clauses at DEAR 970.5204-4 New Mexico Gross Receipts and Compensating Tax and FAR 52.229-10 State of New Mexico Gross Receipts and Compensating Tax are applicable. Sandia holds California Contractor's Permit Number OH-98033576. Purchases made under this contract are exempt from California Sales and Use Taxes if performance occurs in California.

EI29 - TRANSPORTATION All transportation shall be "FOB Origin" unless otherwise specified in this contract. If transportation is specified "FOB Origin": (a) no insurance cost shall be allowed unless authorized in writing, and (b) the bill of lading shall indicate that transportation is for DOE/NNSA and the actual total transportation charges paid to the carrier(s) shall be reimbursed by the government pursuant to Contract No. DE-ACO4-94-AL-85000. Confirmation will be made by Sandia National Laboratories.

EI30 - ADDITIONAL TERMS AND CONDITIONS This contract incorporates by reference with the same force and effect as if they were given in full text, the following cited FAR and DEAR clauses. The full text of the clauses may be accessed electronically at <http://www.arnet.gov/far/> Where the FAR/DEAR clauses refer to government and Contracting Officer, substitute Sandia and Sandia Contracting Representative (SCR). Upon request the SCR will make the full text available.

EI31 - The following clauses are applicable TO ALL subcontracts UNLESS OTHERWISE INDICATED BELOW:

DEAR 952.204-71 Sensitive Foreign Nations Controls. Applies if the subcontract is for unclassified research involving nuclear technology.

FAR 52.216-7 Allowable Cost and Payment. Substitute 31.3 in subcontracts with educational institutions and 31.7 in subcontracts with nonprofit organizations for 31.2 in Paragraph (a).

FAR 52.216-15 Predetermined Indirect Costs Rates

FAR 52.222-21 Prohibition of Segregated Facilities

FAR 52.222-26 Equal Opportunity

FAR 52.223-3 Hazardous Material Identification and Material Safety Data Sheets and Alternate I. Applies only if subcontract involves delivery of hazardous materials.

FAR 52.225-13 Restrictions on Certain Foreign Purchases

DEAR 970.5227-4 Authorization and Consent Paragraph (a)

DEAR 952.227-9 Refund of Royalties. Applies if "royalties" of more than \$250 are paid by a subcontractor at any tier.

DEAR 952.227-11 Patent Rights – Retention by the Contractor (Short Form). Applies only if subcontractor is a nonprofit organization as set forth in 48 CFR 27.301. If subcontractor does not qualify in accordance with 48 CFR 27.301, it may request a patent waiver pursuant to 10 CFR 784.

FAR 52.227-14 Rights in Data-General with ALTERNATE V and DEAR 927.409 Paragraphs (a) and (d)(3). Applies if the contract is for development work, or for basic and applied research where computer software is specified as a deliverable in the SOW or other special circumstances apply as specified in the contract. Rights In Data-General (Jun 1987) with ALTERNATE IV, Subparagraph (c)(1) and DEAR 927.409, subparagraph (a) Definitions. Applies if the contract is for basic or applied research and computer software is not specified as a deliverable in the SOW, and no other special circumstances apply per DEAR 927.409.

FAR 52.227-23 Rights to Proposal Data (Technical) . Applies if the contract is based upon a technical proposal.

FAR 52.229-10 State of New Mexico Gross Receipts and Compensating Tax. Applies if any part of this subcontract is to be performed in the State of New Mexico.

FAR 52.242-15 Stop-Work Order with Alternate I

FAR 52.243-2 Changes – Cost-Reimbursement with Alternate V

FAR 52.244-2 Subcontracts with Alternate II. Insert in Paragraph (e): “Any subcontract or Purchase Order for other than “commercial items” exceeding the simplified acquisition threshold. (“Commercial item” has the meaning contained in FAR 52.202-1, Definitions.)”

FAR 52.245-5 Government Property (Cost-Reimbursement, Time-And-Materials, Or Labor-Hour Contracts with Alternate I . (Paragraphs (e)(1) and (e)(2) insert, “and DOE Acquisition Regulations Subpart 945.5,” after the reference to FAR Subpart 45.5.)

FAR 52.246-9 Inspection of Research and Development (Short Form)

FAR 52.247-63 Preference for U. S. Flag Air Carriers . Applies if the Subcontract involves international air transportation.

FAR 52.247-64 Preference for Privately Owned U.S.-Flag Commercial Vessels

DEAR 952.247-70 Foreign Travel

FAR 52.249-5 Termination for Convenience of the Government (Educational and Other Nonprofit Institutions)

DEAR 952.217-70 Acquisition of Real Property . Applies if the Subcontract involves leased space that is reimbursed.

DEAR 970.5232-3 Accounts, Records, and Inspection (Dec 2000)

FAR 52.229-10 State of New Mexico Gross Receipts and Compensating Tax. Applies if any part of this subcontract is to be performed in the State of New Mexico.

FAR 52.242-15 Stop-Work Order (AUG 1989) with Alternate I

EI32 - APPLY TO CONTRACTS EXCEEDING \$2,500 if Section I indicates that this a contract for services under the Services Contract Act

FAR 52.222-41 Service Contract Act of 1965 as Amended

EI33 - APPLY TO CONTRACTS FOR \$10,000 OR MORE

FAR 52.222-35 Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era and Other Eligible Veterans

FAR 52.222-36 Affirmative Action for Workers With Disabilities

FAR 52.222-37 Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era and Other Eligible Veterans

EI34 - APPLY TO CONTRACTS EXCEEDING \$100,000

FAR 52.203-5 Covenant Against Contingent Fees

FAR 52.203-6 Restrictions on Subcontractor Sales to the Government

FAR 52.203-7 Anti-Kickback Procedures, excluding Paragraph (c)(1)

FAR 52.203-10 Price or Fee Adjustment for Illegal or Improper Activity

FAR 52.203-12 Limitation On Payments to Influence Certain Federal Transactions

FAR 52.219-8 Utilization of Small Business Concerns

FAR 52.222-4 Contract Work Hours and Safety Standards Act - Overtime Compensation

DEAR 970.5227-5 Notice and Assistance Regarding Patent and Copyright Infringement

EI35 - APPLY TO CONTRACTS EXCEEDING \$500,000

FAR 52.215-10 Price Reduction for Defective Cost or Pricing Data, if subcontract exceeds \$550,000

FAR 52.215-11 Price Reduction for Defective Cost or Pricing Data - Modifications, not used when 52.215-10 is included. In subcontracts greater than \$550,000

FAR 52.215-12 Subcontractor Cost Pricing Data (Oct 1997). Applies if 52.215-10 applies.

FAR 52.215-13 Subcontractor Cost or Pricing Data - Modifications (Oct 1997). Applies if 52.215-11 applies.

FAR 52.219-9 Small Business Subcontracting Plan (JAN 2002). Applies unless there are no subcontracting possibilities.

FAR 52.227-16 Additional Data Requirements (June 1987)

FAR 52.230-2 Cost Accounting Standards (Apr 1998), excluding Paragraph (b). Applies to nonprofit organizations if they are subject to full CAS coverage as set forth in 48 CFR Chapter 99, Subpart 9903.201-2 (FAR Appendix B).

FAR 52.230-3 Disclosure and Consistency of Cost Accounting Practices (Apr 1998), excluding paragraph (b). Applies to nonprofit organizations if they are subject to modified CAS coverage as set forth in 48 CFR Chapter 99, Subpart 9903.201-2 (FAR Appendix B).

FAR 52.230-5 Cost Accounting Standards - Educational Institution (Apr 1998), excluding Paragraph (b).

FAR 52.230-6 Administration of Cost Accounting Standards (Nov 1999)

EI36 - APPLY TO ALL CONTRACTS THAT MAY INVOLVE ACCESS TO CLASSIFIED INFORMATION

DEAR 952.204-2 Security

DEAR 952.204-70 Classification/Declassification

DEAR 970.5204-1 Counterintelligence

EI37 - APPLY TO ALL CONTRACTS WHERE ANY WORK WILL BE PERFORMED ON A GOVERNMENT SITE

DEAR 970.5223-1 Integration of Environment, Safety, and Health Into Work Planning and Execution

DEAR 970.5204-79 Access t and Ownership of Records

DEAR 970.5204-26 Nuclear Facility Safety

DEAR 970.5223-3 Workplace Substance Abuse Programs at Government Sites

DEAR 970.5223-04 Whistleblower Protection

CLAUSES EI38THROUGH EI47 APPLY TO ALL CONTRACTS WHERE ANY WORK WILL PERFORMED ON A GOVERNMENT SITE

EI38-- CITIZENSHIP STATUS All personnel of the Contractor and its subcontractors who require access must be United States citizens, or foreign nationals who are legal aliens or have the required authorization to perform work in the Unites States and must meet rules of the site for access to the work areas in place at the time of performance of this contract.

EI39 - CONTRACTOR OR SUBCONTRACTOR USE OF GOVERNMENT-OWNED VEHICLES The following provisions apply if work under this contract requires Contractor or subcontractor personnel to operate government-owned vehicles either on or off government sites. Contractor shall maintain, at Contractor's expense, during the period of performance of work under this contract, third-party vehicle liability insurance which shall cover the use of such government-owned vehicles with limits of at least \$200,000/\$500,000 public liability and \$20,000 property damage. Medical payments coverage, comprehensive and collision insurance, uninsured motorist, and personal injury protection will not be required under this clause unless required by state statute. All Contractor's agents, employees and subcontractors of any tier shall obey all rules and regulations pertaining to the use of government-owned vehicles. In the event of a motor vehicle accident, the Contractor shall submit a completed Motor Vehicle Accident Reporting Form SF 91 to the SCR together with any additional supplemental forms required by instructions given on the GSA Form Packet 1627. A GSA Form Packet 1627 normally is located either in the headliner or glove box of the GSA vehicle. Contractor's personnel shall assure that a GSA Form Packet 1627 is available in a GSA vehicle prior to accepting and driving a GSA vehicle.

EI40 – ENVIRONMENTAL, SAFETY, AND HEALTH (ES&H) REQUIREMENTS (a) Service Providers. Sandia-directed work, Sandia shall provide those workers with any and all necessary safety authorization documents, personal protective equipment, industrial hygiene monitoring, medical surveillance, and radiation protection services. For Contractor employees performing Contractor-directed work, Contractor shall provide its workers with all ES&H services, with the exception of Contractor employees performing Contractor-directed work on government sites for whom Sandia shall provide radiation dosimetry services and survey of record, as appropriate.

(b) Training Requirements. Any Contractor personnel who will enter a government site to perform work shall have completed all of the ES&H training required by the SOW prior to any attempts to enter a government site as shown by written records of such training furnished to the SDR or to the Requester if no SDR is named in Section I of this contract. Contractor shall certify to Sandia completion of all required training on the Completion Record for Contractor Administered Training form. This form is located on the Web at <http://www.sandia.gov/supplier/forms> or obtained from the SDR. Contractor shall provide the completion record form for the initial ESH100 training to the SDR

on the first day of work. Contractor shall provide the completion records for any other training required above to the SDR before starting the affected work activity. Any person not having completed all ES&H training requirements may be denied access to any government site and Contractor may be terminated for default of this contract as well as every other contract the Contractor has with Sandia.

EI41- HAZARDOUS MATERIALS (a) Handling Requirements. For contracts that require the performance of work on government sites, the Contractor shall coordinate with the SDR all activities associated with the acquisition (including reporting hazardous materials used on government sites), handling, storage, accidental spills, and/or disposal of hazardous materials and/or waste. The Contractor shall notify the SDR of all hazardous and/or radioactive waste generated during performance of work. Such materials become Sandia-owned waste and the Contractor shall notify the SDR for proper disposal by Sandia. Contractor's assistance in disposal may be required by Sandia.

(b) Removal Requirements. Those hazardous materials brought onto Sandia-controlled premises by the Contractor which are job-related consumables and have not been removed from their original packaging and which have not been purchased by Sandia, shall remain the property of the Contractor and shall be removed from Sandia after completion of the work. Hazardous materials in the original, labeled container are not hazardous waste if the material is usable and the full or partially full container is intact and properly closed. Those scrap items which are not hazardous and which have not become hazardous through co-mingling with hazardous items are owned by the Contractor and shall also be removed.

EI42 - PROTECTION OF GOVERNMENT PROPERTY All Sandia National Laboratories information, information technologies and information systems are United States government property. Please read the notice at: <http://www.sandia.gov/supplier/docindex.htm> . All facilities, personal property, existing vegetation, structures, equipment, utilities, improvements, materials, and work at Sandia National Laboratories are United States government property. Acts of theft, improper use and/or unlawful destruction of United States government property are punishable under one or more Federal Criminal Laws.

EI43 - REQUIREMENTS FOR ACCESS TO GOVERNMENT SITES Permission to enter government sites shall at all times be subject to all laws, regulations, and site access rules for the site. The government requirements include but are not limited to, all of the requirements set forth in this section for any work to be performed on a government site. To obtain access to such premises, the Contractor shall write a letter to the SDR or the SCR stating the company designation to be used by the Contractor and each subcontractor and furnishing the following information on each individual requiring access to such premises: name, date of birth, and citizenship status, completed ES&H training requirements set forth in the SOW. Access will be granted for the POP of the work only. Contractor shall withdraw and replace any individual, including any subcontractor employee, assigned to perform work under this contract, who in the judgment of Sandia or DOE/NNSA, is to be denied access to any government site. Contractor shall submit to the SDR or the SCR proposed working schedules for its personnel and the personnel of each of its subcontractors. The schedules will show proposed daily working hours and proposed work weeks. Schedules that deviate from Sandia's normal work day or work week must be approved by the responsible SDR. In the absence of a written authorization from the SCR or DOE/NNSA, use of government sites by the Contractor and

its subcontractors of any tier, pursuant to access granted under this clause, shall be limited to work required by this contract to be performed on such premises. THE USE OF THE ACCESS PRIVILEGE FOR ANY PURPOSE OTHER THAN TO PERFORM WORK UNDER THIS CONTRACT IS PROHIBITED AND MAY BE GROUNDS FOR TERMINATING THIS CONTRACT DEFAULT OR FOR FINDING THAT AN INDIVIDUAL IS UNACCEPTABLE FOR FUTURE ACCESS.

EI44 - TERMINATION OR REASSIGNMENT OF PERSONNEL The Contractor shall: (i) notify immediately the SCR and the Sandia Badge Office at Albuquerque (Sandia Physical Security Division at Livermore; Tonopah Test Range Manager at Tonopah) if any Contractor employees assigned to work under this contract are terminated for any reason or are assigned to other Contractor non-Sandia work and will not work under this contract in the future, and (ii) ensure that any Contractor employees identified under this paragraph surrender to the Sandia Badge Office (Sandia Physical Security Division at Livermore; Tonopah Test Range Manager at Tonopah) any Sandia badge, Kirtland Air Force Base decals or other access documents within five days of termination or reassignment.

EI45 - VEHICLE INSURANCE All vehicles, owned or operated by the Contractor, subcontractors or their agents and employees, having access to government sites shall be covered by at least \$200,000/\$500,000 public liability and \$20,000 property damage insurance.

EI46 - VEHICLE MARKINGS All vehicles used by either the Contractor or its subcontractors shall be marked clearly to indicate company name of user. Vehicles which do not bear permanent markings may be temporarily marked as follows: (1) Signs, no longer than the vehicle door is wide, with a white or lighter background, showing the Contractor's name in one inch high, or larger, dark colored letters, may be made from sheet metal, cardboard or other suitable material and temporarily attached to the vehicle's front door panels so that the signs appear in the approximate center of each door panel. Words such as "Company," "Corporation" or "Division" may be abbreviated. (2) No signs shall be attached to the vehicle's glass area for safety reasons.

EI47 - VISITOR ACCESS TO GOVERNMENT SITES The organizations listed below are responsible for coordinating and administering the provisions of visitor access and control for the sites as listed. Sandia National Laboratories, Albuquerque, New Mexico – Badge Office, Sandia Corporation, Building 800/BO, Sandia National Laboratories, Livermore, California - Visitor Control and Administration Section, Sandia Corporation, Building 911. Tonopah Test Range, Tonopah, Nevada - Office of the Tonopah Test Range Manager.