

**BROOKHAVEN SCIENCE ASSOCIATES, LLC
GENERAL TERMS AND CONDITIONS
FOR NONCOMMERCIAL SERVICES
AT
BROOKHAVEN NATIONAL LABORATORY**

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Article 1 DEFINITIONS

The following terms shall have the meanings below:

- (a) "Agreement" means the contract; or purchase order; or Basic Ordering Agreement (BOA); or Task Agreement, and any modifications thereto, including all contract documents (Contract Documents). The Agreement includes without limitation the specifications, drawings, General Terms and Conditions, and any special or supplemental terms and conditions, when incorporated into this Agreement by reference or otherwise.
- (b) "BSA" means Brookhaven Science Associates, LLC acting under a Prime Contract between BSA and the United States Government (Government) for the operation of Brookhaven National Laboratory (referred to as Brookhaven, BNL, or Laboratory), and includes the successor to, or any duly authorized representative of BSA. BSA authorized representatives and their roles are listed in the contract document.
- (c) "Brookhaven", "BNL", or "the Laboratory" refers to the Brookhaven National Laboratory site at Upton, New York.
- (d) "BSA's PPM Division" means the BSA Procurement and Property Management Division (PPM).
- (e) "Contract" is the document (including but not limited to contract; or purchase order; or Basic Ordering Agreement (BOA); or Task Agreement) that is executed by both BSA and the Contractor that creates the Agreement.
- (f) "Contract Documents" means all documents that comprise this Agreement including without limitation, the specifications, drawings, the General Terms and Conditions and any special or supplemental terms and conditions, when incorporated into this Agreement by reference or otherwise. This Agreement does not bind nor purport to bind the Government.
- (g) "Contractor" means any person or organization that has entered into this Agreement with BSA.
- (h) "Government" means the United States of America including the U.S. Department of Energy (DOE) or any duly authorized representative(s) thereof.
- (i) "Prime Contract" means the contract between BSA and the Government.
- (j) "Services" as used in this agreement includes services performed, workmanship and materials furnished or used in performing services under this Agreement.
- (k) The clause at FAR 52.202-1, Definitions, is incorporated herein by reference.

Article 2 ORDER OF PRECEDENCE

In the event of an inconsistency among provisions of this Agreement, the inconsistency shall be resolved by giving precedence in the following order:

- (a) Contract,
- (b) Special terms and conditions included in or incorporated by reference in the Contract,
- (c) Supplemental Terms and Conditions,
- (d) General Terms and Conditions,
- (e) Statement of Work,
- (f) Specifications and
- (g) Drawings, if any, incorporated in this Agreement by reference or otherwise.

Article 3 ACCEPTANCE OF AGREEMENT, SURVIVABILITY

- (a) By signing this Contract, delivering the supplies, or performing the requirements indicated herein, the Contractor agrees to comply with all the terms and conditions and all specifications and other documents incorporated in this Agreement by reference or otherwise. Notwithstanding the above, this Agreement shall become a binding contractual commitment within 10 days after the Contractor receives it unless the Contractor furnishes written notice of objection to BSA within said 10 days.
- (b) An attempted acknowledgment or acceptance which contains provisions conflicting with or additional to these Terms and Conditions or which varies any terms or conditions shall have no force or effect.
- (c) All rights and obligations of the parties shall survive final performance of this Agreement.

Article 4 COMPLETE AGREEMENT

This Agreement expresses the entire agreement and understanding of the parties with respect to the subject matter hereof and supersedes any prior oral and written agreements between the parties. It may only be modified in writing executed by both BSA and the Contractor except as otherwise stated herein.

Article 5 UNAUTHORIZED OBLIGATION

When any supply or service acquired under this contract is subject to any End Use License Agreement (EULA), Terms of Service (TOS), or similar legal instrument or agreement, that includes any clause requiring BSA or the Government to indemnify the Contractor or any person or entity for damages, costs, fees, or any other loss or liability, the following shall govern:

- (i) Any such clause is unenforceable against BSA and the Government unless separately and specifically agreed to.
- (ii) Neither BSA nor any BSA authorized end user shall be deemed to have agreed to such clause by virtue of it appearing in the EULA, TOS, or similar legal instrument or agreement.
- (iii) Any such clause is deemed to be stricken from the EULA, TOS, or similar legal instrument or agreement.

Article 6 RESPECTFUL WORKPLACE POLICY

The Contractor's admittance to BNL is conditioned on acceptance of BSA's External Code of Conduct upon site entry registration. BSA is committed to providing a safe work environment for employees, contractors, guests and visitors, that is based on courtesy, civility and respectful communication. Acts or threats of violence, obscene or harassing telephone calls, verbal abuse, and any behavior meant to intimidate others are examples of actions that are prohibited on site at any time. Violators of this policy will be subject to disciplinary action up to and including discharge, debarment from site, or criminal arrest and prosecution. BSA is not responsible for any additional costs incurred by the Contractor due to these disciplinary actions. The Contractor will remain responsible for full performance of the Agreement without modification of the schedule.

Article 7 REPORTING ENVIRONMENTAL, SAFETY, HEALTH AND TECHNICAL CONCERNS

The Contractor will ensure that all Contractor employees are notified annually that they have the right to report environment, safety, health and technical concerns that have not been resolved through routine work processes through the Department of Energy Differing Professional Opinion (DPO) process ((the DOE DPO process can be found in Attachment 2 to DOE O 442.2 Chg 1 (PgChg) and at <http://www.directives.doe.gov/directives-documents/400-series/0442.2-BOrder-chg1-pgchg/@@images/file>). The notification must provide points of contact (name, phone number and email addresses of DPO Managers) as listed on the DOE DPO web page, as well as the DOE DPO web page address.

Article 8 ASSIGNMENT

Neither this Agreement nor any interest therein nor claim there under shall be assigned or transferred by the Contractor except as expressly authorized in writing by BSA, provided that the Contractor or its assignee's rights to be paid amounts due as a result of performance of this Agreement may be assigned to a bank, trust company or other financing institution, including any federal lending institution. This Agreement is assignable by BSA to the Government or to a successor contractor for the operation of Brookhaven. The Contractor agrees to look solely to the Government or to such successor contractor for payment of the part so assigned, and to execute a novation agreement so recognizing the successor contractor if requested to do so by BSA.

Article 9 DISPUTES

- (a) Good Faith Negotiation. The parties agree that they will attempt in good faith to resolve through negotiation any dispute, claim or controversy arising out of or relating to this Agreement. Either party may initiate negotiations by providing written notice in letter form to the other party, setting forth the subject of the dispute and the relief requested. The recipient of such notice agrees to respond in writing within five days with a statement of its position on and recommended solution to the dispute. If the dispute is not resolved by this exchange of correspondence, then representatives of each party with full settlement authority will meet at a mutually agreeable time and place within fifteen days of the date of the initial notice in order to exchange relevant information and perspectives, and to attempt to resolve the dispute. If the dispute is not resolved by these negotiations, the matter will be submitted to Judicial Arbitration and Mediation Services (JAMS), or its successor, for mediation, following the procedure described in Subparagraph B, below. Pending settlement or a final judgment, the Contractor will proceed diligently with performance of this Agreement according to the instructions of BSA's contractual representative.
- (b) Mediation. Except as provided in this Agreement, the parties agree that neither will commence any civil action with respect to any dispute, claim or controversy arising out of or relating to this Agreement until the matter has been submitted to JAMS (New York, 212-751-2700), its successor, for mediation and that process has been completed. Either party may commence mediation by providing to JAMS and the other party a written request for mediation, setting forth the subject

of the dispute and the relief requested. The parties agree to cooperate with JAMS and with one another in selecting a mediator from JAMS panel of neutrals, and in scheduling the mediation proceedings. The parties covenant that they will participate in the mediation in good faith, and that they will share equally in its costs. The parties further agree that they will treat as confidential all offers, promises, conduct and statements, whether oral or written, made in the course of the mediation by any of the parties, their agents, employees, experts and attorneys, and by the mediator and any JAMS employees. The parties also agree that they will treat any such communications as privileged and inadmissible for any purpose, including impeachment, in any litigation or other proceeding involving the parties, provided that evidence that is otherwise admissible or discoverable will not be rendered inadmissible or non-discoverable as a result of its use in the mediation. Either party may seek equitable relief prior to the mediation to preserve the status quo pending the completion of that process. Except for such an action to obtain equitable relief, neither party may commence a civil action with respect to the matters submitted to mediation until after the completion of the initial mediation session, or forty-five (45) days after the date of filing the written request for mediation, whichever occurs first. Mediation may continue after the commencement of a civil action, if the parties so desire. The provisions of this Article may be enforced by any court of competent jurisdiction, and the party seeking enforcement will be entitled to an award of all costs, fees and expenses, including attorney's fees, to be paid by the party against whom enforcement is ordered.

- (c) Waiver of Right to Litigate in Court Before Completing Negotiation and Mediation and Waiver of Right to Jury Trial and Designation of Court Sitting in the State of New York. The Contractor agrees to submit all disputes, claims or controversies arising out of or relating to this Agreement to negotiation and then mediation as described above before bringing any action in court. The Contractor further acknowledges that, in the event it brings any such action in court, it will bring that action in a court sitting in the State of New York, and it further acknowledges that it is hereby waiving any right that it might possess to demand a jury trial for the litigation of that action. The Contractor further acknowledges that it is giving up any rights to judicial remedies and procedures to the extent that this agreement does not specifically provide for them. The Contractor further acknowledges that its agreement to the provision for this Agreement is voluntary.

Article 10 DISPUTES CONCERNING LABOR STANDARDS

Disputes arising out of the labor standards provisions of this Agreement are subject to the Disputes Clause except to the extent such disputes involve the meaning of classifications or wage rates contained in the wage determination decision of the Secretary of Labor or the applicability of the labor provisions of the Agreement. Such questions shall be referred to the Secretary of Labor in accordance with the procedures of the U.S. Department of Labor.

Article 11 NOTICE TO BSA OF LABOR DISPUTES

The Contractor shall immediately give BSA's PPM Division written notice of actual or potential labor disputes which delay or threaten to delay timely performance under this Agreement as soon as the Contractor has knowledge of such disputes. The notice shall include all relevant information concerning the actual or potential labor dispute.

Article 12 NOTICE REGARDING LATE PERFORMANCE

If the Contractor encounters difficulty in meeting performance requirements, or anticipates difficulty in complying with the delivery schedule or date, the Contractor shall immediately notify BSA's Procurement and Property Management Division (PPM) in writing, giving pertinent details, including the date by which it expects to complete performance or make delivery. This notice shall be informational only, and BSA's receipt of this notice shall not be construed as a waiver of any schedule or date, or any rights or remedies provided by law or under this Agreement.

Article 13 WAIVER

BSA's acceptance of the goods or services delivered hereunder and its subsequent use thereof shall not constitute a waiver of any improper materials or workmanship, or BSA's rights and remedies with respect to them. BSA's acceptance and its subsequent use of goods or services delivered after the agreed upon delivery date shall not constitute a waiver by BSA of any rights arising from said late delivery.

Article 14 NEW MATERIALS

Unless otherwise specified in this Agreement, all supplies delivered hereunder shall consist of new materials. "New" is defined as previously unused which may include residual inventory or unused former Government surplus property. This does not exclude use of recycled or recovered material as defined by the Environmental Protection Agency in 40 CFR 247 Comprehensive Procurement Guideline For Products Containing Recovered Materials - Code of Federal Regulations (ecfr.io).

Article 15 HAZARDOUS MATERIALS IDENTIFICATION AND SAFETY DATA SHEETS

With or before each delivery, the Contractor shall submit a Safety Data Sheet, as prescribed in 29 CFR 1910.1200 and the latest version of Federal Standard No. 313, for all hazardous material delivered under this Agreement which will involve exposure to hazardous materials or items containing these materials, whether or not it is listed in Appendix A of the Standard. As used in this Article, "hazardous material" is as defined in the latest version of Federal Standard No. 313, including revisions adopted during the term of this Agreement.

Article 16 EXCUSABLE DELAYS

The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence such as acts of God or the public enemy, acts of BSA, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. The

Contractor shall notify BSA in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to BSA of the cessation of such occurrence.

Article 17 TERMINATION FOR CONVENIENCE

BSA reserves the right to terminate this Agreement, or any part hereof, for its convenience or that of the Government. In the event of such termination, BSA's Procurement and Property Management Division (PPM) shall deliver a notice specifying the extent of the termination and its effective date. The Contractor shall immediately stop all work so terminated and shall immediately cause any and all of its affected suppliers and subcontractors to cease work. Subject to the terms of this Agreement, BSA shall be liable only for payment under the payment provisions of this Agreement for services rendered prior to the notice of termination, plus reasonable charges that the Contractor can demonstrate to BSA's satisfaction using its standard record keeping system, have resulted from the termination. The Contractor shall not be paid for any work performed or costs incurred which reasonably could have been avoided. In no event shall the agreed amount exceed the total price of the Agreement.

Article 18 TERMINATION FOR DEFAULT

- (a) Ten days after giving the Contractor written notice of its intent, BSA may terminate this Agreement for default, in whole or in part, if the Contractor fails to comply with any of the terms of this Agreement, fails to make progress so as to endanger performance of this Agreement or fails to provide adequate assurance of future performance. In this event, BSA shall not be liable for any services or supplies not accepted.
- (b) If this Agreement is terminated for default, BSA may require the Contractor to deliver any supplies and materials, manufacturing materials, and manufacturing drawings that the Contractor has specifically produced or acquired for the terminated portion of this Agreement. BSA shall pay the agreed-upon price for services performed and accepted in addition to completed supplies delivered and accepted. BSA and the Contractor shall agree on the amount of payment for all other deliverables.
- (c) BSA's rights and remedies under this Article are in addition to any other rights and remedies provided by law or under this Agreement.

Article 19 ALLOWABLE COST

For Cost Type Contracts :

- (a) The Contractor shall submit invoices in reasonable detail to the address indicated in the Agreement as work progresses. A statement of the claimed allowable cost for performing the work under this Agreement shall accompany each invoice. If applicable, invoices shall include a list of the property acquired by the Contractor to which title vests in the Government in accordance with the Government Property clause of this Section. Invoices may be submitted once every month (or at more frequent intervals if approved by BSA). Payments may be made by check or electronic funds transfer, at BSA's option. Payment shall be deemed to have

- been made as of the date of mailing or date on which an electronic funds transfer was made.
- (b) For reimbursement of work performed under this Agreement, BSA shall pay the Contractor allowable costs in accordance with this Agreement and Subpart 31.2 of the FAR as supplemented by Subpart 931.2 of the DEAR in effect on the date of this Agreement. The term “cost” includes only:
 - (i) costs the Contractor has paid for items or services directly for the Agreement at the time of the invoice, and
 - (ii) provided the Contractor is not delinquent in paying costs of Agreement performance in the ordinary course of business, costs incurred but not necessarily paid for materials from Seller’s inventory, direct labor, direct travel, other direct in-house costs, allocable and allowable indirect costs. Costs and expenses incurred by BSA that are determined by DOE to be unallowable that result from the acts or omissions of the Contractor or its subcontractors may be recovered by BSA from the Contractor.
 - (c) Final annual indirect cost rates and the appropriate bases shall be established in accordance with Subpart 42.7 of the FAR in effect for the applicable period. Within 90 days after expiration of each of its fiscal years, the Contractor shall submit proposed final indirect cost rates for that period and supporting cost data to BSA or the cognizant audit agency, whichever applies. The Contractor and BSA (or the cognizant audit agency) shall determine and execute a written understanding of the final indirect cost rates.
 - (d) Quick close-out procedures of Subpart 42.7 of the FAR may be used.
 - (e) At any time before final payment, BSA may have the Contractor’s invoices and statements of cost audited. Any payment may be reduced by amounts found by BSA not to constitute allowable costs or adjusted for prior overpayments or underpayments.
 - (f) The Contractor shall submit a completion invoice no later than one year from the completion date. On approval of that invoice and the Contractor’s compliance with this Agreement, BSA shall pay any balance of allowable costs and that part of the fee not previously paid. The Contractor shall pay to BSA any refunds, rebates, credits or other amounts accruing to or received by the Contractor or any assignee under this Agreement to the extent that those amounts are properly allocable to costs for which the Contractor has been reimbursed by BSA. Before final payment under this Agreement, the Contractor and each assignee shall provide an acceptable assignment to BSA of refunds, rebates, credits or other amounts properly allocable to costs for which the Contractor has been reimbursed by BSA under this Agreement and a release discharging BSA and the Government, their officers, agents and employees from all liabilities, obligations and claims arising out of or under this Agreement except claims specifically stating the exact basis and amount.

Article 20 FEE

For Cost Type Contracts BSA shall pay the Contractor the fee as specified in the Agreement for performing work hereunder. The fee shall be paid as specified in the Agreement; provided, that after payment of 85 percent of the fee, BSA may withhold

further payment of allowable cost until a reserve is set aside in an amount considered necessary to protect BSA's and the Government's interest. This reserve shall not exceed 15 percent of the total fixed fee or \$100,000, whichever is less.

Article 21 NO FEE

For Cost Type Contracts where no fee is to be paid for performing this Agreement, after payment of 80 percent of the total estimated cost shown in the Agreement, BSA may withhold further payment of allowable cost until a reserve is set aside in an amount considered necessary to protect BSA's and the Government's interest. This reserve shall not exceed one percent of BSA's share of the total estimated cost or \$100,000, whichever is less.

Article 22 LIMITATION OF COST AND FUNDS

For Cost Type Contracts:

- (a) The Contractor agrees to use its best efforts to perform the work specified in the Agreement within the estimated specified costs. BSA is not obligated to reimburse the Contractor for costs incurred in excess of the total amount obligated by BSA as specified in the Agreement. The Contractor is not obligated to continue performance under this Agreement (including actions under the Termination clause of this Agreement) or otherwise incur costs in excess of the total amount obligated as specified in the Agreement, until BSA increases the funding obligation. If this is a cost-sharing Agreement, the increase shall be allotted in accordance with the formula specified in the Agreement.
- (b) The Contractor shall notify BSA's PPM Division in writing whenever it has reason to believe that the total costs the Contractor has incurred and expects to incur in the next 60 days
 - (i) shall exceed 75 percent of the total amount obligated to this Agreement, or
 - (ii) whenever it has reason to believe that the total estimated cost for performance of this Agreement shall be either greater or substantially less than previously estimated. The notice shall include the estimated amount of funds required to continue timely performance.
- (c) No notice, communication, or representation, other than by BSA's PPM Division, shall affect this Agreement's funding.
- (d) If the total obligated amount or the estimated cost specified in the Agreement is increased, any costs the Contractor incurs before the increase that are in excess of the previously obligated amount shall be allowable to the same extent as if incurred afterward, unless BSA issues a written notice directing that the increase is solely to cover termination or other specified expenses.

Article 23 PAYMENT

- (a) BSA shall make payment for accepted services performed and/or items that have been delivered to the destination(s) set forth in this Agreement. Unless otherwise provided, terms of payment shall be net 30 days, unless otherwise specified in this Agreement, from submission of the Contractor's proper invoice (unless BSA does not approve such invoice). Invoices submitted by the Contractor anywhere other than to Account Payable at APinvoices@bnl.gov, unless otherwise specified in

- this Agreement, are not deemed to have been officially received for payment term purposes. Any offered discount shall be taken if payment is made within the discount period indicated by the Contractor. Payments may be made either by check or electronic funds transfer, at BSA's option. Payment shall be deemed to have been made as of the date of mailing or the date on which the electronic funds transfer was made. Unless otherwise specified in this Agreement, BSA may make payment on partial deliveries which it accepts.
- (b) If the Contractor becomes aware, or BSA notifies the Contractor, of a duplicate contract financing or invoice payment or that BSA has otherwise overpaid on a contract financing or invoice payment, the Contractor shall remit the overpayment amount to the address below along with the Agreement/Contract #, and a description of the overpayment.

Brookhaven National Laboratory
Accounts Receivable, Deborah Basozmen
20 Brookhaven Ave. Bldg. 400D
Upton, NY 11973-5000

Article 24 CHANGES

- (a) At any time, BSA may, by written notice, make changes within the general scope of this Agreement, in any or all of the following:
- (i) scope of work to be performed,
 - (ii) method and manner of performance,
 - (iii) place of performance,
 - (iv) drawings, designs or specifications if the Agreement calls for delivery of supplies specially manufactured for BSA,
 - (v) method of shipping or packing the supplies, and
 - (vi) place of delivery.
- If any such change causes an increase or decrease in the price or estimated cost of or the time required for performance of any part of the work hereunder, whether or not changed by the order, or otherwise affects any other terms and conditions of this Agreement, BSA shall make an equitable adjustment in the price or estimated cost and/or performance schedule and other affected terms and shall modify the agreement accordingly. Such adjustment shall be made by written amendment to this Agreement signed by both parties. The Contractor must assert any claim for adjustment within 30 days from the date it receives BSA's change notice; however, BSA may, in its sole discretion, receive and act on any claim for adjustment at any time before final payment. Failure to agree to any adjustment shall be settled in accordance with the Disputes article of these General Terms and Conditions. Nothing in this clause, including any disagreement with BSA about the equitable adjustment, shall excuse the Contractor from proceeding with work hereunder, as changed.
- (b) Only BSA's Procurement and Property Management Division (PPM) is authorized to issue changes, whether formal or informal, on BSA's behalf. If the Contractor considers that any direction or instruction by BSA's technical personnel constitutes a change, the Contractor shall not rely on such direction or instruction without obtaining written confirmation from BSA's PPM Division.

- (c) When costs are a factor in any determination of a price adjustment pursuant to this clause or any provision of this Agreement, such cost shall be in accordance with the cost principles and procedures in FAR Subpart 31 and DEAR Subpart 931.

Article 25 INSPECTION

- (a) BSA has the right to inspect and test all items and services (including, but not limited to, raw materials, components, intermediate assemblies and end products) to the extent practicable at all times and places including the period of manufacture, and in any event prior to acceptance. BSA shall perform inspections and tests in a manner that will not unduly delay the work. If BSA performs tests or inspections on the contractor's premises or that of a subcontractor, the Contractor shall furnish, or cause to be furnished, all reasonable facilities and assistance for the safe and convenient performance of these duties at no additional cost to BSA. BSA assumes no contractual obligation to perform any test or inspection for the Contractor's benefit unless specifically set forth elsewhere in this Agreement. BSA's failure to inspect the items and services shall not relieve the Contractor from responsibility, nor impose liability on BSA, for nonconformity.
- (b) If BSA specifies an inspection system elsewhere in this Agreement, the Contractor shall provide and maintain such inspection system and deliver only those items and services that have been found to conform to the requirements of this Agreement. The Contractor shall maintain complete records of all inspections and make them available to BSA during performance and for as long as this Agreement requires.
- (c) If BSA finds the materials or work to be defective, the Contractor shall promptly repair or replace such materials or work as directed by BSA at no increase in the agreement price. The Contractor shall bear the transportation cost. If the Contractor fails to act as directed within 10 days from BSA's written notice, BSA may repair or replace such materials or work by contract or otherwise and assess the Contractor the excess cost it incurred as a result and/or terminate the Contractor for default. If the Contractor is not ready for inspection or if prior rejection makes reinspection or retest necessary, BSA may charge the Contractor the additional cost of test and/or inspection. The Contractor shall not tender for acceptance corrected or rejected items or services without disclosing the former rejection or requirement for correction and shall disclose the corrective action taken.
- (d) BSA shall affect acceptance of all materials and services ordered hereunder within a reasonable time after delivery. Except as otherwise provided for in this Agreement, acceptance shall be conclusive except as regards latent defects, fraud, or such gross mistakes as amount to fraud.

Article 26 TAXES

The Agreement price includes all applicable federal, state, and local taxes and duties that company is required to collect. In determining the applicability of any tax or duty, due consideration shall be given to the relationship of the subject matter of this Agreement to

the Government, and the fact that BSA is exempt from New York State and local sales and use taxes under Exempt Organization Certificate No. EX-216880.

Article 27 TITLE AND RISK OF LOSS

Unless specified elsewhere in this Agreement, title to items furnished under this Agreement shall pass to the Government upon acceptance, regardless of when or where BSA takes physical possession. If BSA makes partial or progress payments, title shall pass to the Government for the items covered by the payment. Unless the Agreement specifically provides otherwise, risk of loss or damage to the items provided under this Agreement shall remain with the Contractor until delivery of the items to the destination specified in the Agreement.

Article 28 WARRANTY

Notwithstanding inspection and acceptance by BSA under any provision of this Agreement, the Contractor warrants that the material, supplies and/or equipment delivered (hereinafter called “the goods”) and any services performed hereunder, shall be of first-class quality and shall accord in every respect with the description, specifications, drawings, and/or samples elsewhere identified in this Agreement. The Contractor also warrants that all goods delivered hereunder shall be free from defects in design (unless the design is furnished by the Buyer), material and workmanship. The warranty shall begin on acceptance and extend for a period of one year or the manufacturer’s warranty period, whichever is longer. If any nonconformity appears within that time, BSA, in addition to any other rights and remedies provided by law, or under other provisions of this Agreement, may require the Contractor to

- (a) replace or repair the goods and/or reperform the services at no increase in price or
- (b) reduce the Agreement price to reflect the reduced value of the Contractor’s performance.

When supplies are returned, the Contractor shall bear the risk of loss and transportation cost. If the Contractor fails to replace or repair the goods or reperform the services within 10 days of BSA’s written notice to do so, BSA shall have the right by contract or otherwise to replace or repair the goods or reperform the services, and charge the Contractor the cost occasioned thereby. Furthermore, the warranties provided for in this paragraph shall be in addition to such other warranties as may be specifically provided for elsewhere in this Agreement.

Article 29 EXTRAS

Except as otherwise provided in this Agreement, BSA shall not pay for extras unless authorized in writing by BSA.

Article 30 LIMITATION OF LIABILITY

Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to BSA for consequential damages resulting from any defect or deficiencies in accepted items.

Article 31 COMPLIANCE WITH LAWS

- (a) The Contractor shall comply with all applicable federal, state, local laws and ordinances, executive orders, all pertinent lawful orders, rules and regulations, including those applicable by reason of the fact that this Agreement is issued under the Prime Contract and such compliance shall be a material requirement of this Agreement. If the Contractor is required to obtain licenses and/or permits to comply with this Article, it will do so without additional expense to BSA. In no case will Contractor be required to act in a way contrary to German or EU law.
- (b) The Contractor warrants that each chemical substance constituting or contained in items furnished by this Agreement is on the list of substances published by the Administrator of the Environmental Protection Agency pursuant to the Toxic Substances Control Act, as amended. With each delivery the Contractor shall provide BSA any applicable Safety Data Sheet as required by the Occupational Safety and Health Act and applicable regulations including, without exception, 29 CFR 1910.1200.
- (c) The Contractor shall perform work under this Agreement in a manner that is safe, healthy and environmentally acceptable, and shall develop and manage a comprehensive program in support of these objectives. Specific requirements may be included in special or supplemental terms to this Agreement.
- (d) The Contractor shall include this clause in all subcontracts, at any tier, involving performance of this Agreement.

Article 32 COMPLIANCE WITH INTERNET PROTOCOL VERSION 6 (IPv6) IN ACQUIRING INFORMATION TECHNOLOGY

(Only applicable for agreements to purchase Information Technology)

This clause is applicable if this contract involves the acquisition of Information Technology (IT) that uses Internet Protocol (IP) technology. The Contractor agrees that

- (a) all deliverables that involve (IT) that uses (IP) (products, services, software, etc.) comply with IPv6 standards and interoperate with both IPv6 and IPv4 systems and products; and
- (b) it has IPv6 technical support for fielded product management, development and implementation available.

If the Contractor plans to offer a deliverable that offers IT that is not initially compliant, the Contractor agrees to

- (c) obtain BSA's approval before starting work on the deliverable; and
- (d) have IPv6 technical support for fielded product management, development and implementation available.

Should the Contractor find that the Statement of Work or specifications of this contract do not conform to IPv6 standards, it must notify BSA of such nonconformance and act in accordance with BSA's instructions.

Article 33 OTHER CONTRACTS

BSA may undertake or award other agreements for additional work. The Contractor shall fully cooperate with such other contractors and BSA employees and carefully fit his own work to such additional work as may be directed by BSA. The Contractor shall not

commit or permit any act which will interfere with performance of the work by any other contractor or BSA employee.

Article 34 AUTHORIZATION AND CONSENT

The Government has given its authorization and consent for all use and manufacture of any invention described in and covered by a patent of the United States in the performance of this Agreement or any part hereof or any amendment hereto or any subcontract hereunder (including any lower-tier subcontract) which is expected to exceed the Simplified Acquisition Threshold (SAT).

Article 35 PATENT INDEMNITY-SUPPLIES AND SERVICES

The Contractor shall indemnify BSA, the Government, and their officers, agents, and employees against liability, including costs, for infringement of any United States letters patent (except U.S. letters patent issued upon an application which is now or may hereafter be kept secret or otherwise withheld from issue by order of the Government) arising out of the manufacture or delivery of supplies or out of construction, alteration, modification, or repair of real property (hereinafter referred to as "construction work") under this Agreement, or out of the use or disposal by or for the account of the Government or BSA of such supplies or construction work. The foregoing indemnity shall not apply unless the Contractor shall have been informed as soon as practicable by the Government (with notice to BSA) of the suit or action alleging such infringement, and shall have been given such opportunity as is afforded by applicable laws, rules, or regulations to participate in the defense thereof, and further, such indemnity shall not apply to:

- (a) An infringement resulting from compliance with specific written instructions of BSA or the Government directing a change in the supplies to be delivered or in the materials or equipment to be used or directing a manner of performance of the Agreement not normally used by the Contractor.
- (b) An infringement resulting from addition to, or change in, such supplies or components furnished, or construction work performed which addition or change was made subsequent to delivery or performance by the Contractor, or
- (c) A claimed infringement which is settled without the consent of the Contractor, unless required by final decree of a court of competent jurisdiction.

Article 36 REPORTING OF ROYALTIES

If any royalty payments totaling more than \$250 are directly involved in the Agreement or are reflected in the Agreement price to BSA, the Contractor agrees to report in writing to the Government through BSA during the performance of this Agreement and prior to its completion or final settlement the amount of any royalties or other payments paid or to be paid by it directly to others in connection with the performance of this Agreement together with the names and addresses of licensors to whom such payments are made and either the patent numbers involved or such other information as will permit identification of the patents or other basis on which royalties are to be paid. The approval of DOE or BSA of any individual payments or royalties shall not stop the Government at any time from contesting the enforceability, validity or scope of, or title to, any patent under which a royalty or payments are made.

Article 37 NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT

The provisions of this clause shall be applicable only if the amount of this Agreement exceeds the Simplified Acquisition Threshold (SAT).

- (a) The Contractor shall report to the Government through BSA promptly and in reasonable written detail, each notice or claim of patent or copyright infringement based on the performance of this Agreement of which the Contractor has knowledge.
- (b) In the event of any claim or suit against the Government on account of any alleged patent or copyright infringement arising out of the performance of this Agreement or out of the use of any supplies furnished or work or services performed hereunder, the Contractor shall furnish to the Government when requested by the Government or BSA, all evidence and information in possession of the Contractor pertaining to such suit or claim. Such evidence and information shall be furnished at the expense of the Government except where the Contractor has agreed to indemnify the Government or BSA.
- (c) This clause shall be included in all subcontracts.

Article 38 SUSPECT/ COUNTERFEIT ITEMS

- (a) "Suspect Items" are items, for which there is an indication by visual inspection, testing, or other information that it may not conform to established Government- or industry-accepted specifications or national consensus standards. "Counterfeit Items" are suspect items that are a copy or substitute without legal authority to do so or whose material, performance, or characteristics are knowingly misrepresented by the supplier, distributor, or manufacturer. Forms of misrepresentation include, but are not limited to, the following:
 - (b) Falsified product sources (counterfeits);
 - (c) Falsified or modified quality assurance records;
 - (d) False marking as to class, type, or grade;
 - (e) Mixing of unmarked materials with marked materials;
 - (f) False labeling as to qualification or acceptance by testing/certifying organizations
 - (g) Used and/or refurbished products misrepresented as new products.
 - (h) Types of materials, parts, and components, known to have been misrepresented include, but are not limited to:
 - (i) Lifting materials such as slings, hooks, cables, and shackles;
 - (j) Threaded fasteners fraudulently marked as high-strength bolts;
 - (k) Refurbished electrical circuit breakers sold under false certifications;
 - (l) Valves;
 - (m) Piping and piping components;
 - (n) Electrical devices;
 - (o) Channel members, plate, bar, and flanges;
 - (p) Other structural items.
- (i) See the BNL Suspect / Counterfeit Items, Subject Area. The link can be found on the PPM Terms and Conditions Listing page (<https://www.bnl.gov/ppm/terms-and-conditions.php>) under SBMS External Files – All Documents. S/CIs may pose immediate and potential

threats to the safety of DOE and contractor workers, the public, and the environment. Failure of a safety or mission critical system due to an S/CI could also have security implications at DOE facilities.

- (q) Items furnished to BSA under this Agreement shall not include suspect/counterfeit parts nor shall such parts be used in performing any work under this Agreement whether on or off the Laboratory site.
- (r) If suspect/counterfeit parts are furnished under this Agreement and are found on the Laboratory site, such parts shall be impounded by BSA or they shall be removed by the Contractor as directed by BSA. The Contractor shall promptly replace such parts with supplies acceptable to BSA and the Contractor shall be liable for all costs relating to impoundment, removal, and replacement. BSA may turn such parts over to the U.S. Office of the Inspector General for investigation and reserves the right to withhold payment pending the outcome of any investigation.
- (s) The rights of BSA in this clause are in addition to any other rights provided by law or under this Agreement.

Article 39 DEAR 952.209-72 ORGANIZATIONAL CONFLICTS OF INTEREST (Aug 2009) (Alternate I)

(applicable to agreements for advisory and assistance services)

- (a) Purpose. The purpose of this clause is to ensure that the Contractor
 - (i) is not biased because of its financial, contractual, organizational, or other interests which relate to the work under this Agreement, and
 - (ii) does not obtain any unfair competitive advantage over other parties by virtue of its performance of this Agreement.
- (b) Scope. The restrictions described herein shall apply to performance or participation by the Contractor and any of its affiliates or their successors in interest (hereinafter collectively referred to as “Contractor”) in the activities covered by this clause as a prime contractor, subcontractor, cosponsor, joint venture, consultant, or in any similar capacity. For the purpose of this clause, affiliation occurs when a business concern is controlled by or has the power to control another or when a third party has the power to control both.
 - (i) Use of Contractor’s Work Product.
 - 1. The Contractor shall be ineligible to participate in any capacity in BSA agreements, contracts, subcontracts, or proposals therefore (solicited and unsolicited) which stem directly from the Contractor’s performance of work under this Agreement for a period of five years after the completion of this Agreement. Furthermore, unless so directed in writing by BSA’s PPM Division, the Contractor shall not perform any advisory and assistance services work under this Agreement on any of its products or services or the products or services of another firm if the Contractor is or has been substantially involved in their development or marketing. Nothing in this subparagraph shall preclude the Contractor from competing for follow-on contracts for advisory and assistance services.

2. If, under this Agreement, the Contractor prepares a complete or essentially complete statement of work or specifications to be used in competitive acquisitions, the Contractor shall be ineligible to perform or participate in any capacity in any contractual effort which is based on such statement of work or specifications. The Contractor shall not incorporate its products or services in such statement of work or specifications unless so directed in writing by BSA's PPM Division, in which case the restriction in this subparagraph shall not apply.
 3. Nothing in this paragraph shall preclude the Contractor from offering or selling its standard and commercial items BSA.
- (ii) Access to and use of information.
1. If the Contractor, in the performance of this Agreement, obtains access to information, such as BSA plans, policies, reports, studies, financial plans, internal data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or data which has not been released or otherwise made available to the public, the Contractor agrees that without prior written approval of BSA's PPM Division it shall not:
 - A. use such information for any private purpose unless the information has been released or otherwise made available to the public;
 - B. compete for work for BSA based on such information for a period of six (6) months after either the completion of this Agreement or until such information is released or otherwise made available to the public, whichever is first;
 - C. submit an unsolicited proposal to BSA which is based on such information until one year after such information is released or otherwise made available to the public; and
 - D. release such information unless such information has previously been released or otherwise made available to the public by BSA.
 2. In addition, the Contractor agrees that to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or other confidential or privileged technical, business, or financial information under this Agreement, it shall treat such information in accordance with any restrictions imposed on such information.
 3. The Contractor may use technical data it first produces under this Agreement for its private purposes consistent with paragraphs (b)(ii)(1)A and D of this clause and the patent, rights in data, and security provisions of this Agreement.
- (c) Disclosure after award.
- (i) The Contractor agrees that, if changes, including additions, to the facts disclosed by it prior to award of this Agreement, occur during the performance of this Agreement, it shall make an immediate and full disclosure of such changes in writing to BSA's PPM Division. Such

- disclosure may include a description of any action which the Contractor has taken or proposes to take to avoid, neutralize, or mitigate any resulting conflict of interest. BSA may, however, terminate the Agreement for convenience if it deems such termination to be in the best interest of BSA.
- (ii) In the event that the Contractor was aware of facts required to be disclosed or the existence of an actual or potential organizational conflict of interest and did not disclose such facts or such conflict of interest to BSA, BSA may terminate this Agreement for default.
- (d) Remedies. For breach of any of the above restrictions or for nondisclosure or misrepresentation of any facts required to be disclosed concerning this Agreement, including the existence of an actual or potential organizational conflict of interest at the time of or after award, the Government may terminate the agreement for default, disqualify the Contractor from subsequent related contractual efforts, and pursue such other remedies as may be permitted by law or this Agreement.
 - (e) Waiver. Requests for waiver under this clause shall be directed in writing to BSA's PPM Division and shall include a full description of the requested waiver and the reasons in support thereof. If it is determined to be in the best interests of BSA, BSA's PPM Division may grant such a waiver in writing.
 - (f) Subcontracts.
 - (i) The Contractor shall include a clause, substantially similar to this clause, including this paragraph (f), in subcontracts expected to exceed the simplified acquisition threshold determined in accordance with FAR Part 13 and involving the performance of advisory and assistance services as that term is defined at FAR 37.201. The terms "agreement," "contract," "Contractor" and "BSA's PPM Division" shall be appropriately modified to preserve BSA's rights.
 - (ii) Prior to the award under this Agreement of any subcontracts for advisory and assistance services, the Contractor shall obtain from the proposed subcontractor or consultant the disclosure required by DEAR 909.507-1, and shall determine in writing whether the interests disclosed present an actual or significant potential for an organizational conflict of interest. Where an actual or significant potential organizational conflict of interest is identified, the Contractor shall take actions to avoid, neutralize, or mitigate the organizational conflict to the satisfaction of the Contractor. If the conflict cannot be avoided or neutralized, the Contractor must obtain the approval of BSA's PPM Division prior to entering into the subcontract.

Article 40 APPLICABLE LAW

The parties agree that the federal common law of government contracts will govern the construction and interpretation of this Agreement and all claims arising under or related to this Agreement or work performed under this Agreement or claims of breach of this Agreement, regardless of the forum in which any party to this Agreement brings action. For purposes of this Agreement, the federal common law of government contracts will consist of the interpretation of contract clauses and the law enunciated and applied to

government contracts by the Boards of Contract Appeals, the Comptroller General (CG), and Federal Courts having jurisdiction over the Boards or the CG. The term "Board of Contract Appeals" means those established under the Contract Disputes Act of 1978, 41 U.S.C. 607(a)(1), and successor bodies.

Article 41 SUSPENSION OF WORK

- (a) At any time, BSA may, by written notice to the Contractor, require the Contractor to suspend, delay or interrupt all or any portion of the work called for by this Agreement for a period of up to 90 days after the notice is delivered to the Contractor, or for any other period to which the parties may agree. On receipt of this notice, the Contractor shall immediately comply with its provisions and take all reasonable steps to minimize the incurrence of costs associated with such suspension as directed by BSA.
- (b) Prior the expiration of the suspension notice, BSA shall either:
 - (i) Cancel or extend the notice; or
 - (ii) Terminate the work covered by the notice as provided in the Termination Articles of these General Provisions. If the suspension is canceled or allowed to expire, the Contractor shall resume work. Any claim by the Contractor resulting from a Suspension of Work Notice shall be governed by the Changes Article of these General Provisions.

Article 42 BANKRUPTCY

If the Contractor enters into any proceeding relating to bankruptcy, it shall give written notice to BSA's Procurement and Property Management Division (PPM) via certified mail with five (5) days of initiating the proceedings. The notification shall include the date on which the proceeding was filed, the identity and location of the court and a listing, by Contract number, of all BSA agreements for which final payment has not been made.

Article 43 WALSH-HEALY PUBLIC CONTRACTS ACT (Only applicable to work performed in the U.S.)

If this Contract is for the manufacture or furnishing of materials, supplies, articles, or equipment in an amount which exceeds or may exceed \$20,000 and is otherwise subject to the Walsh-Healy Public Contracts Act, as amended (41 USC 35-45), there are hereby incorporated by reference all regulations issued thereunder by the Secretary of Labor, such representations and stipulations being subject to all applicable rulings and interpretations of the Secretary of Labor which are now or may hereafter be in effect.

Article 44 INTELLECTUAL PROPERTY INDEMNITY

The Contractor shall indemnify BSA and the Government and their officers, agents, and employees against alleged or actual liability, including costs of any nature whatsoever, for the Contractor's infringement or misappropriation of third party intellectual property, including, but not limited to, patents, copyrights, trademarks, or trade secrets that the Contractor has used, included, or embodied in its performance of the Contract. The Contractor will promptly notify BSA in the event it is notified that it has infringed or misappropriated a third party's intellectual property; in the event that infringement or

misappropriation has occurred, in addition to the indemnification and at BSA's sole option, the Contractor will either procure the rights for BSA and the Government to use the intellectual property or BSA will terminate the Contract for cause.

Article 45 INDEMNITY FOR DEFECTIVE COST OR PRICING DATA

The Contractor hereby indemnifies and agrees to hold BSA harmless from any and all price or cost reductions made pursuant to the FAR 52.215-10 "Price Reduction for Defective Certified Cost or Pricing Data" clause or the FAR 52.215-11 "Price Reduction for Defective Certified Cost or Pricing Data - Modifications" clause, or any other provisions of the prime contract under which this Agreement is issued, and from and against any and all cost disallowances or non-recognitions of costs under such prime contract, if such price or cost reduction, cost disallowance or non-recognition of costs arises or results directly or indirectly because:

- (a) Contractor, or any of Contractor's subcontractor or prospective subcontractor at any tier hereunder, furnished cost or pricing data that were not complete, accurate and current as certified in Contractor's Certificate of Current Cost or Pricing Data; or
- (b) Contractor, or any of Contractor's subcontractor or prospective subcontractor at any tier hereunder, furnished data of any description that were not accurate.

Accordingly, without limitation of the foregoing, the price of this Agreement shall be reduced and the Agreement shall be modified in writing as necessary to reflect the full amount of any and all such price or cost reductions and any and all such cost disallowances or non-recognitions of costs. The rights and remedies of BSA under or pursuant to this indemnity shall be cumulative and additional to any other or further rights and remedies provided under this Agreement or at law or in equity.

Article 46 LIABILITY WITH RESPECT TO COST ACCOUNTING STANDARDS (Not applicable for Firm Fixed Price Contracts)

The Contractor shall be liable to the Government for increased costs or interest resulting from the Contractor's failure to comply with the Cost Accounting Standards and related clauses, if these clauses are incorporated in this Agreement.

Article 47 WHISTLEBLOWER PROTECTION FOR CONTRACTOR EMPLOYEES

- (a) The Contractor shall comply with the requirements of "DOE Contractor Employee Protection Program" at 10 CFR Part 708 for work performed on behalf of DOE directly related to activities at DOE owned or leased sites.
- (b) The Contractor shall insert or have inserted the substance of this clause, including this paragraph (b) in subcontracts, at all tiers, for subcontracts involving work performed on behalf of DOE directly related to activities at DOE owned or leased sites.

Article 48 PRESS RELEASES AND OTHER PUBLIC DISSEMINATION OF CONTRACT INFORMATION

Press releases through print, broadcast or other media concerning the award, performance, results or conclusions from the work under this Contract shall not be made

or otherwise distributed to the public without prior written consent by BSA. Any material proposed to be released shall be submitted to the BSA Contractual Representative no later than two weeks prior to the intended press release.

Article 49 REPORTING EXECUTIVE COMPENSATION

(Agreements valued at \$40,000 or more)

In accordance with FAR 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards, and as a condition of award of this Agreement, the Contractor will be required to provide to the BSA's PPM Division information relative to executive total compensation as directed below. This requirement does not apply to Agreements with individuals.

For purposes of this Article, "executive" means officers, managing partners, or any other employees in management positions. "Total Compensation" means the cash and noncash dollar value earned by the executive during the Contractor's preceding fiscal year and includes the following (for more information see 17 CFR 229.402(c)(2)):

- (a) Salary and bonus.
- (b) Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.
- (c) Earnings for services under non-equity incentive plans. This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives and are available generally to all salaried employees.
- (d) Change in pension value. This is the change in present value of defined benefit and actuarial pension plans.
- (e) Above-market earnings on deferred compensation which is not tax-qualified.
- (f) Other compensation, if the aggregate value of all such other compensation (e.g., severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.

The Contractor agrees to report, by the end of the month following award of the Agreement, and annually thereafter, the names and total compensation of each of the five most highly compensated executives for the Contractor's preceding completed fiscal year, if—

- (a) In the Contractor's preceding fiscal year, the Contractor received—
 - (i) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and
 - (ii) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and
- (b) The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.

Article 50 IDENTIFICATION OF EMPLOYEES

FAR 52.222-54 Employment Eligibility Verification, which is included in this Agreement, requires the Contractor to use an electronic Employment Eligibility Verification (E-Verify) system designated by the Secretary of Homeland Security to verify the eligibility of:

- (a) all persons hired during the Agreement term by the Contractor to perform duties within the United States; and
- (b) all persons assigned by the Contractor to perform work within the United States on the Federal Contract.

The Contractor agrees to incorporate FAR 52.222-54 and the substance of this clause in all lower subcontracts issued under this Agreement.

Article 51 IMPLEMENTATION OF THE FRAMEWORK FOR NUCLEIC ACID SYNTHESIS SCREENING

(a) Definitions.

Customer – as defined in the Framework for Nucleic Acid Synthesis Screening, is the individual or entity (such as an institution) that orders or requests synthetic nucleic acids from a Provider, or that purchases nucleic acid synthesis equipment from a Manufacturer. For the purposes of this clause, the Department of Energy’s contractors and subcontractors are considered customers.

Provider – as defined in the Framework for Nucleic Acid Synthesis Screening, is an entity that synthesizes and distributes synthetic nucleic acids. Providers may provide nucleic acids to a customer or third-party vendor. A Provider is understood to be synthesizing and distributing nucleic acids as a transactional service, rather than as a research scientist collaborating with a colleague.

Manufacturer – as defined in the Framework for Nucleic Acid Synthesis Screening, is an entity that produces and distributes benchtop equipment for synthesizing nucleic acids. Manufacturers may provide equipment to a customer or third-party vendor.

(b) Requirements.

(1) The Contractor shall obtain synthetic nucleic acids – or devices capable of synthesizing them – from Providers or Manufacturers that attest to implementing 2024 Office of Science and Technology Policy (OSTP) Framework for Nucleic Acid Synthesis Screening.

(2) The attestation may be provided through a publicly posted statement (e.g., public website) or directly to the Contracting Officer (or contractor/subcontractor for subcontracts) by the Provider or Manufacturer.

(c) Flowdown of requirements to subcontractors. The Contractor shall incorporate the substance of this clause, its terms and requirements, including this paragraph, in all subcontracts in support of the contract that may involve the procurement of synthetic nucleic acids and benchtop nucleic acid synthesis equipment.

Article 52 OCEAN CARGO TRANSPORTATION

- (a) In accordance with FAR 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels, the Contractor shall use privately owned U.S.-flag commercial vessels to ship at least 50 percent of the gross tonnage of all ocean cargo transported under this Agreement, computed separately for dry bulk carriers, dry cargo liners, and tankers, to the extent such vessels are available at fair and reasonable rates and can meet required delivery schedules.
- (b) Regardless of the vessel used, The Contractor shall submit, within 15 working days following the date of loading for shipments originating within the United States or within 25 working days following the date of loading for shipments originating outside the United States, a legible copy of the rated on-board ocean bill of lading for each shipment to warehouseoperations@bnl.gov.
- (c) Use of privately owned foreign-flag commercial vessels in excess of the 50 percent gross tonnage limitation established by FAR 52.247-64 requires prior written authorization from BSA. Such authorization will only be considered if one or more of the following conditions exist:
- (i) Privately owned U.S.-flag commercial vessels are not available for timely shipment;
 - (ii) Privately owned U.S.-flag commercial vessels are available only at rates that are not fair and reasonable; or
 - (iii) Privately owned U.S.-flag commercial vessels with suitable routing or capacity are not available for the shipment.
- (d) Requests for authorization to use foreign-flag commercial vessels must be submitted at least sixty (60) days prior to booking the applicable shipment on a foreign-flag commercial vessel. The Contractor shall submit a written request to BSA with the following supporting documentation:
- (i) Evidence of efforts to obtain U.S.-flag service, including correspondence from at least three potentially suitable U.S.-flag carriers, where available, regarding vessel availability;
 - (ii) Rate quotations and service comparisons between available U.S.-flag and foreign-flag carriers;
 - (iii) Transit schedules and routing information;
 - (iv) Required delivery dates and any schedule constraints affecting the shipment; and
 - (v) Any additional information reasonably requested by BSA to evaluate the request.
- (e) Upon receipt of a complete request, BSA will review the information provided and determine, in its reasonable discretion, whether use of a foreign-flag commercial vessel is authorized, subject to any required consultation with or determination by the Maritime Administration (MARAD) or the U.S. Government. The Contractor shall not book or ship the cargo that is the subject of the request on a foreign-flag commercial vessel until written authorization has been provided by BSA.
- (f) Neither BSA nor the U.S. Government shall be responsible for any costs resulting from denial or delayed approval of a request by BSA, MARAD, or the U.S. Government.

Article 53 FAR 52.222-90 ADDRESSING DEI DISCRIMINATION BY FEDERAL CONTRACTORS

The clause at FAR 52.222-90, Addressing DEI Discrimination by Federal Contractors (APR 2026), is hereby incorporated into this Agreement by reference with the same force and effect as if set forth in full herein. The Contractor shall comply with the requirements

of FAR 52.222-90 and shall insert the substance of this clause, including this requirement, in all lower-tier subcontracts and purchase orders to the extent required by the clause. Whenever necessary to make the context of the clause applicable to this Agreement, the term “Contractor” shall mean the Contractor and the terms “Government” and “Contracting Officer” shall mean BSA.

Contractor certifies that Contractor and all subcontractors at every tier comply with and shall throughout the term of this Contract continue to comply with the requirements of FAR 52.222-90 to the extent applicable. Contractor shall promptly report to BSA in writing any actual or suspected noncompliance with FAR 52.222-90, including reasonable details of such noncompliance.

Article 54 INDEMNITY FOR VIOLATION OF FAR 52.222-90

The Contractor recognizes that compliance with the requirements of this clause is material to the Government's payment decisions for purposes of 31 U.S.C. 3729(b)(4). The Contractor hereby indemnifies and agrees to hold harmless BSA and its respective officers, agents, and employees from and against any and all liability, loss, damage, claim, demand, judgment, cost, charge, assessment, penalty, fine, disallowance, reduction in reimbursement, withholding, expense, or other consequence of any nature whatsoever, including reasonable attorneys' fees, internal investigation costs, and costs incurred responding to Government inquiries or investigations, arising out of or resulting directly or indirectly from any violation of FAR 52.222-90 by the Contractor or any of its subcontractors, suppliers, or lower-tier subcontractors. The obligations set forth in this Article shall survive completion, termination, expiration, or closeout of the Agreement.

*In the event of any conflict between Article 53 and Article 54 and any other terms and conditions of the Agreement, Article 53 and Article 54 shall control to the extent of such conflict.

Article 55 CLAUSES INCORPORATED BY REFERENCE

This Agreement incorporates the following Federal Acquisition Regulation (FAR) and Department of Energy Acquisition Regulation (DEAR) clauses by reference, as they exist on the effective date of this Agreement, with the same force and effect as if they were in full text. The FAR and DEAR clauses are available at Acquisition.GOV | www.acquisition.gov or they may be obtained from [Electronic Code of Federal Regulations \(eCFR\)](http://Electronic Code of Federal Regulations (eCFR)). When an alternate or deviation is referenced, please use this link <https://www.bnl.gov/about/contract/> to access the BSA Prime Contract for the full text of the clause. Whenever necessary to make the context of the clauses applicable to this Agreement, the term “Contractor” shall mean the Contractor, the term “Contract” shall mean this Agreement, and where noted or where necessary to derive proper meaning in a subcontract situation the terms “DOE”, “Government” and “Contracting Officer” shall mean BSA, except the terms “DOE”, “Government” and “Contracting Officer” do not change:

- (a) in the phrases “Government Property”, “Government-Furnished Property”, “Government Equipment” and “Government-Owned Equipment”, or, where otherwise intended that title, ownership or rights are to remain with the Government; or

- (b) where statute or regulation vests authority exclusively in specific agencies or officials; or
- (c) where otherwise specifically modified in this Agreement.

Article	Title of Clause	FAR Ref.
Article 56	Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (Sep 2024)	52.203-11
Article 57	Limitation on Payments to Influence Certain Federal Transactions (Jun 2020) (agreements greater than \$200,000)	52.203-12
Article 58	Contractor Employee Whistleblower Rights (Nov 2023)	52.203-17
Article 59	Prohibition on Requiring Certain Internal Confidentiality Agreements or Statements (Jan 2017)	52.203-19
Article 60	Personal Identity Verification of Contractor Personnel (Jan 2011) (only applicable if Contractor employees are required to have routine physical access to a Federally-controlled facility and/or routine access to a Federally-controlled information system)	52.204-9
Article 61	Incorporation by Reference of Representations and Certifications (Dec 2014)	52.204-19
Article 62	Basic Safeguarding of Covered Contractor Information Systems (Nov 2021)	52.204-21
Article 63	Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab and Other Covered Entities (Dec 2023)	52.204-23
Article 64	Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Nov 2021)	52.204-25
Article 65	RESERVED	
Article 66	Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, Proposed for Debarment, or Voluntarily Excluded (Jan 2025) (agreements greater than \$45,000)	52.209-6
Article 67	Pension Adjustments and Asset Reversions (Oct 2010) (Not applicable to contracts under \$2,500,000 or otherwise exempt from certified cost or pricing data)	52.215-15
Article 68	Utilization of Small Business Concerns (Jan 2025) (Not applicable for any work performed outside of the United States)	52.219-8

Article 69	Contract Work Hours and Safety Standards Act – Overtime Compensation (May 2018) (Not applicable for any work performed outside of the United States)	52.222-4
Article 70	Child Labor – Cooperation with Authorities and Remedies (Jan 2025) (agreements greater than \$15,000)	52.222-19
Article 71	Contracts for Materials, Supplies, Articles and Equipment (Jun 2020) Exceeding \$15,000 (Not applicable for any work performed outside of the United States)	52.222-20
Article 72	Reserved	
Article 73	Reserved	
Article 74	Equal Opportunity for Veterans (Jun 2020) (agreements of \$200,000 or more) (Not applicable for any work performed outside of the United States)	52.222-35
Article 75	Equal Opportunity for Workers with Disabilities (Jun 2020) (agreements greater than \$20,000) (Not applicable for any work performed outside of the United States)	52.222-36
Article 76	Employment Reports on Veterans (Jun 2020) (agreements of \$200,000 or more) (Not applicable for any work performed outside of the United States)	52.222-37
Article 77	Service Contract Labor Standards (Aug 2018) (agreements greater than \$2,500 and as designated in the agreement) (Not applicable for any work performed outside of the United States)	52.222-41
Article 78	Combating Trafficking in Persons (Oct 2025)	52.222-50
Article 79	Employment Eligibility Verification (Jan 2025) (agreements greater than \$150,000)	52.222-54
Article 80	Minimum Wages Under (Jan 2022) (E.O. 14026) (Not applicable for any work performed outside of the United States or agreements with a period of performance less than 120 days)	52.222-55
Article 81	Paid Sick Leave Under Executive Order 13706 (Jan 2022)	52.222-62
Article 82	Addressing DEI Discrimination by Federal Contractors (Apr 2026) (Deviation)	52.222-90
Article 83	Reporting of Biobased Products Under Service and Construction Contracts (May 2024)	52.223-2
Article 84	Hazardous Material Identification and Material Safety Data (Feb 2021) (Alternate I) (Jul 1995)	52.223-3
Article 85	Sustainable Products and Services (May 2024)	52.223-23
Article 86	Privacy Training (Jan 2017)	52.224-3

Article 87	Buy American – Supplies (Oct 2022) (Not applicable for any work performed outside of the United States)	52.225-1
Article 88	Duty-Free Entry (Oct 2025)	52.225-8
Article 89	Restrictions on Certain Foreign Purchases (Feb 2021)	52.225-13
Article 90	Authorization and Consent (Jun 2020) (applicable to Agreements expected to exceed the SAT)	52.227-1
Article 91	Patent Indemnity (Apr 1984)	52.227-3
Article 92	Rights in Data-General (May 2014) with DEAR 952.227-14 with Alternate II and Alternate VIII (Dec 2024)927.409(a) and (d)(3). (Alternate II is applicable if limited rights in data is required. Alternate III is applicable if delivery is for restricted computer software.)	52.227-14
Article 93	Additional Data Requirements (Jun 1987)	52.227-16
Article 94	Rights to Proposal Data (Technical) (Jun 1987)	52.227-23
Article 95	Taxes – Foreign Cost-Reimbursement Contracts (Mar 1990) (Not applicable for Firm Fixed Price Contracts)	52.229-8
Article 96	State of New Mexico Gross Receipts and Compensating Tax (Apr 2003) (Only applicable to cost-reimbursement contracts that direct or authorizes the contractor to acquire tangible personal property as a direct cost under a contract and services will be performed in whole or in part within the State of New Mexico)	52.229-10
Article 97	Unenforceability of Unauthorized Obligations (Jun 2013)	52.232-39
Article 98	Providing Accelerated Payments to Small Business Subcontractors (Mar 2023) (Only applicable if any work or subcontracts will be performed by small businesses)	52.232-40
Article 99	Prohibition on Unmanned Aircraft Systems Manufactured or Assembled by American Security Drone Act-Covered Foreign Entities (Nov 2024)	52.240-1
Article 100	Subcontracts for Commercial Products and Commercial Services (Oct 2025)	52.244-6
Article 101	Preference for U.S. Flag Air Carriers (Jan 2025)	52.247-63
Article 102	Preference for Privately-Owned U.S. Flag Commercial Vessels (Nov 2021)	52.247-64
Article 103	Termination (Cost Reimbursement) (May 2004) Modified by DEAR 970.4905-1 (Not applicable for Firm Fixed Price Contracts)	52.249-6
Article 104	Excusable Delays (Apr 1984)	52.249-14

Article	Title of Clause	DEAR. Ref
Article 105	Whistleblower Protection for Contractor Employees (Dec 2000)	952.203-70
Article 106	Security Requirements (Dec 2024) (Only applicable to agreements involving or are likely to involve classified information or special nuclear material)	952.204-2
Article 107	Classification/Declassification (Dec 2024) (Only applicable to agreements involving or are likely to involve classified information)	952.204-70
Article 108	Facility Clearance (Aug 2016) (Only applicable to contracts and subcontracts that require employees to possess access authorizations)	952.204-73
Article 109	Counterintelligence (Dec 2024)	952.204-74
Article 110	Computer Security (Aug 2006) (Only applicable to agreements that may provide access to computers owned, leased or operated on behalf of the DOE)	952.204-77
Article 111	Workforce restructuring and displaced employee hiring preference (Dec 2024) (Applicable to all contracts except for commercial items that exceed \$500,000)	952.226-74
Article 112	Reserved	
Article 113	Patent Rights-Retention by the Contractor (Short Form) (Mar 1995) (Only applicable to agreements to small business for experimental, research & development, demonstration, or design work)	952.227-11
Article 114	Patent Rights-Acquisition by the Government (Sep 1997) (Only applicable to agreements to other than small business for experimental, research & development, demonstration, or design work)	952.227-13
Article 115	Research Misconduct (Jul 2005) (agreements involving research)	952.235-71
Article 116	Foreign travel (Jun 2010) (Only applicable when foreign travel may be required)	952.247-70
Article 117	Laws, Regulations, and DOE Directives (SC Deviation)	970.5204-2
Article 118	Access to and Ownership of Records (Dec 2024)	970.5204-3
Article 119	Reserved	
Article 120	Compliance with Export Control Laws and Regulations (Nov 2015)	970.5225-1
Article 121	Rights in Data-Facilities (Dec 2024) (Only applicable to agreements for design or operation of plants or facilities or specially designed equipment for plants or facilities)	970.5227-1

Article 122	Rights in Data-Technology Transfer (Dec 2024)	970.5227-2
Article 123	Technology Transfer Mission (Dec 2024) (Only applicable to agreements for extension of an existing laboratory or weapon production facility management and operating contract.)	970.5227-3
Article 124	Authorization and Consent (Dec 2024) (applicable to Agreements expected to exceed the SAT)	970.5227-4
Article 125	Refund of Royalties (Aug 2002)	970.5227-8
Article 126	State and local taxes (Dec 2000)	970.5229-1
Article 127	Accounts, Records, and Inspection (Dec 2024) (paragraphs (a) through (h) are applicable when costs incurred are a factor in determining the amount payable to contractor)	970.5232-3
Article 128	Property (Dec 2024) (Add Alternate I (Dec 2024) if award is to a nonprofit contractor) (Only applicable to Cost Reimbursable agreements)	970.5245-1

The following clauses are applicable to agreements over the Simplified Acquisition Threshold:

Article	Title of Clause	FAR Ref.
Article 129	Gratuities (Apr 1984)	52.203-3
Article 130	Covenant Against Contingent Fees (May 2014)	52.203-5
Article 131	Restrictions on Subcontractor Sales to the Government (Jun 2020)	52.203-6
Article 132	Anti-Kickback Procedures (Jun 2020) (except subparagraph c (1))	52.203-7
Article 133	Limitation on Payments to Influence Certain Federal Transactions (Jun 2020)	52.203-12
Article 134	Service Contract Reporting Requirements (Oct 2016) (Fixed Price agreements or for Cost Reimbursable, Time and Material, or Labor-Hour for agreements greater than \$500,000)	52.204-14
Article 135	Integrity of Unit Prices (Nov 2021) (except paragraph (b))	52.215-14
Article 136	Limitations on Pass-Through Charges (Jun 2020) (Only applicable to Cost Reimbursable agreements)	52.215-23
Article 137	Notification of Employee Rights Under the National Labor Relations Act (Dec 2010) (Not applicable for any work performed outside of the United States)	52.222-40
Article 138	Interest (May 2014)	52.232-17
Article	Title of Clause	DEAR. Ref
Article 139	RESERVED	

Article	Title of Clause	FAR Ref.
Article 140	Sustainable Acquisition Program (Dec 2024) (Only applicable to first-tier subcontracts exceeding the SAT that support operation of the DOE facility and offer significant subcontracting opportunities for energy-efficient or environmentally sustainable products or services).	952.223-78
Article 141	Notice and Assistance Regarding Patent and Copyright Infringement (Dec 2024)	970.5227-5

The following clauses are applicable to agreements over certain thresholds as specified:

Article	Title of Clause	DEAR. Ref
Article 142	Workforce Restructuring under Section 3161 of the National Defense Authorization Act for Fiscal Year 1993 (Dec 2000) (Only applicable to agreements greater than \$500,000) (Not applicable for any work performed outside of the United States)	970.5226-2

Article	Title of Clause	FAR Ref.
Article 143	Contractor Code of Business Ethics and Conduct (Nov 2021) (Only applicable to agreements greater than \$7,500,000)	52.203-13
Article 144	Display of Hotline Poster(s) (Nov 2021) (Only applicable to agreements greater than \$7,500,000)	52.203-14
Article 145	Price Reduction for Defective Certified Cost or Pricing Data (Aug 2011) (Only applicable to agreements greater than \$2,500,000)	52.215-10
Article 146	Price Reduction for Defective Certified Cost or Pricing Data – Modifications (Jun 2020) (Only applicable to agreements greater than \$2,500,000)	52.215-11
Article 147	Subcontractor Certified Cost or Pricing Data (Jun 2020) (Only applicable to agreements greater than \$2,500,000)	52.215-12
Article 148	Subcontractor Cost or Pricing Data – Modifications (Jun 2020) (Only applicable to agreements greater than \$2,500,000)	52.215-13
Article 149	Small Business Subcontracting Plan (Jan 2025) Alternate IV (Jan 2025) (agreements to large business greater than \$900,000) (Not applicable for any work performed outside of the United States)	52.219-9

Article	Title of Clause	FAR Ref.
Article 150	Liquidated Damages – Subcontracting Plan (Sep 2021) (agreements to large business greater than \$900,000) (Not applicable for any work performed outside of the United States)	52.219-16
Article 151	Reserved	
Article 152	Cost Accounting Standards (Jun 2020) (except Paragraph (b); negotiated agreements to large business) (Not applicable to Firm Fixed Price Contracts)	52.230-2
Article 153	Disclosure and Consistency of Cost Accounting Practices (Jun 2020) (Only applicable to agreements greater than \$2,500,000) (negotiated agreements to large business)	52.230-3
Article 154	Disclosure and Consistency of Cost Accounting Practices – Foreign Concerns (Jun 2020) (Only applicable to agreements greater than \$2,500,000)	52.230-4
Article 155	Administration of Cost Accounting Standards (Jun 2010) (Only applicable to agreements greater than \$2,500,000) (negotiated agreements to large business)	52.230-6