

EXCEPTION TO SF 30, APPROVED BY NARS 5/79

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. CONTRACT ID CODE PAGE 1 OF 2

2. AMENDMENT/MODIFICATION NO. 773 3. EFFECTIVE DATE See block 16 c. 4. REQUISITION/PURCHASE REQ. NO. NA27344 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE 7. ADMINISTERED BY (If other than Item 6) CO DE

U.S. Department of Energy/NNSA SC M&O Contract Support Division P.O. Box 5400 Albuquerque, NM 87185-5400 U.S. Department of Energy/NNSA Livermore Site Office M/S L-293 7000 East Avenue Livermore, CA 94550

8. NAME AND ADDRESS OF CONTRACTOR (No., street, country, State, and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO. Lawrence Livermore National Security, LLC Lawrence Livermore National Laboratory M/SL-019 7000 East Avenue Livermore, CA 94550

9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ ORDER NO. DE-AC52-07NA27344 10B. DATED (SEE ITEM 13) May 8, 2007

CODE FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 25, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) see attached

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN CONTRACT/ORDER NO. IN ITEM 10A. B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b). X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Clause H-19 Modification Authority, Clause I-120 Changes, and Mutual Agreement of Parties D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor _ is not, X is required to sign this document and return _1_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) See page 2.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Joseph E. (Trey) Johnston, Director, Prime Contract Office Lawrence Livermore National Security, LLC 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Christopher Duran, Contracting Officer U.S. Department of Energy/NNSA 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 2/25/21 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED By (Signature of Contracting Officer)

1. PURPOSE

The purpose of this modification is to update two contract clause per Senior Procurement Executive (SPE) memo dated February 19, 2021. This is the Revocation of Deviations for Department of Energy Acquisition Regulation (DEAR) 970.5232-3 Accounts, Records, And Inspections and DEAR 970.5244-1 Contractor Purchasing System for Contract DE-AC52-07NA27344.

1. Clause I-111 DEAR 970.5232-3 Accounts, Records, and Inspections
 - a. Paragraph (c), removes all the “or review”
 - b. Paragraph (i)(1)(vii), removes the “or review”
2. Clause I-121 DEAR 970.5244-1 Contractor Purchasing System
 - a. Paragraph (e), removes all the “or review”

2. CHANGES TO THE CONTRACT

As a result of the changes, SECTION I – CONTRACT CLAUSES, Clause I-111 and Clause I-121 are hereby replaced in its entirety with the following:

I-111 DEAR 970.5232-3 ACCOUNTS, RECORDS, AND INSPECTION (DEC 2010) (MOD M034, 388, 773)

(a) Accounts. The contractor shall maintain a separate and distinct set of accounts, records, documents, and other evidence showing and supporting: all allowable costs incurred; collections accruing to the contractor in connection with the work under this contract, other applicable credits, and fee accruals under this contract; and the receipt, use, and disposition of all Government property coming into the possession of the contractor under this contract. The system of accounts employed by the contractor shall be satisfactory to DOE and in accordance with generally accepted accounting principles consistently applied.

(b) Inspection and audit of accounts and records. All books of account and records relating to this contract shall be subject to inspection and audit by DOE or its designees in accordance with the provisions of the Contract Section I clause entitled “Access To and Ownership of Records”, at all reasonable times, before and during the period of retention provided for in paragraph (d) of this clause, and the contractor shall afford DOE proper facilities for such inspection and audit.

(c) Audit of subcontractors' records. The contractor also agrees, with respect to any subcontracts (including fixed-price or unit-price subcontracts or purchase orders) where, under the terms of the subcontract, costs incurred are a factor in determining the amount payable to the subcontractor of any tier, to either conduct an audit of the subcontractor's costs or arrange for such an audit to be performed by the cognizant government audit agency through the contracting officer.

(d) Disposition of records. Except as agreed upon by the Government and the contractor, all financial and cost reports, books of account and supporting documents, system files, data bases, and other data evidencing costs allowable, collections accruing to the contractor in connection with the work under this contract, other applicable credits, and fee accruals under this contract, shall be the property of the Government, and shall be delivered to the Government or otherwise disposed of by the contractor either as the contracting officer may from time to time direct during the progress of the work

or, in any event, as the contracting officer shall direct upon completion or termination of this contract and final audit of accounts hereunder. Except as otherwise provided in this contract, including provisions of the Contract Section I Clause entitled "Access To and Ownership of Records", all other records in the possession of the contractor relating to this contract shall be preserved by the contractor for a period of three years after final payment under this contract or otherwise disposed of in such manner as may be agreed upon by the Government and the contractor.

(e) Reports. The contractor shall furnish such progress reports and schedules, financial and cost reports, and other reports concerning the work under this contract as the contracting officer may from time to time require.

(f) Inspections. The DOE shall have the right to inspect the work and activities of the contractor under this contract at such time and in such manner as it shall deem appropriate.

(g) Subcontracts. The contractor further agrees to require the inclusion of provisions similar to those in paragraphs (a) through (h) of this clause in all subcontracts (including fixed-price or unit-price subcontracts or purchase orders) of any tier entered into hereunder where, under the terms of the subcontract, costs incurred are a factor in determining the amount payable to the subcontractor.

(h) Comptroller General.

(1) The Comptroller General of the United States, or an authorized representative, shall have access to and the right to examine any of the contractor's *or subcontractor's* directly pertinent records involving transactions related to this contract or a subcontract hereunder *and to interview any current employee regarding such transactions.*

(2) This paragraph may not be construed to require the contractor or subcontractor to create or maintain any record that the contractor or subcontractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(3) Nothing in this contract shall be deemed to preclude an audit by the Government Accountability Office of any transaction under this contract.

(i) Internal Audit. The contractor agrees to establish and maintain an internal audit activity and provide the following reports:

(1) Internal Audit Implementation Design. Upon contract award, the exercise of any contract option, or the extension of the contract, the contractor must submit to the contracting officer for approval an Internal Audit Implementation Design to include the overall strategy for internal audits. The Audit Implementation Design, will describe (i) the internal audit organization's placement within the contractor's organization including reporting requirements; (ii) the audit organization's size and the experience and educational standards of its staff; (iii) the audit organization's relationship to the corporate entities of the contractor; (iv) the standards to be used in conducting the internal audits; (v) The overall internal audit strategy of this contract, considering particularly the method of auditing costs incurred in the performance of the contract; (vi) the intended use of external audit resources; (vii) the plan for audit

(2) of subcontracts, both pre-award and post-award; and (viii) the schedule for peer review of internal audits by other contractor internal audit organizations, or other independent third party audit entities approved by the DOE contracting officer.

(2) Annual Audit Report. By each January 31 of the contract performance period, the contractor must submit an annual audit report, providing a summary of the audit activities undertaken during the previous fiscal year. That report shall reflect the results of the internal audits during the previous fiscal year and the actions to be taken to resolve weaknesses identified in the contractor's system of business, financial, or management controls.

(3) Annual Audit Plan. By each June 30 of the contract performance period, the contractor must submit to the contracting officer an annual audit plan for the activities to be undertaken by the internal audit organization during the next fiscal year that is designed to test the costs incurred and contractor management systems described in the internal audit design.

(4) Contracting officer's satisfaction. The contracting officer may require revisions to documents submitted under paragraphs (i)(1), (i)(2), and (i)(3) of this clause, including the design plan for the internal audits, the annual report, and the annual internal audits.

(j) Remedies. If at any time during contract performance, the contracting officer determines that unallowable costs were claimed by the contractor to the extent of making the contractor's management controls suspect, or the contractor's management systems that validate costs incurred and claimed suspect, the contracting officer may, in his or her sole discretion, require the contractor to cease using the special financial institution account in whole or with regard to specified accounts, requiring reimbursable costs to be claimed by periodic vouchering. In addition, the contracting officer, where he or she deems it appropriate, may: Impose a penalty under 48 CFR 970.5242-1, Penalties for Unallowable Costs; require a refund; reduce the contractor's otherwise earned fee; and take such other action as authorized in law, regulation, or this contract.

I-121 DEAR 970.5244-1 CONTRACTOR PURCHASING SYSTEM (AUG 2016) (NNSA CLASS DEVIATION MAY 2016 MODIFIED BY NNSA AL 2020-02) (MOD 370, 388, 745, 773)

(a) General. The contractor shall develop, implement, and maintain formal policies, practices, and procedures to be used in the award of subcontracts consistent with this clause and 48 CFR subpart 970.44. The contractor's purchasing system and methods shall be fully documented, consistently applied, and acceptable to the Department of Energy (DOE) in accordance with 48 CFR 970.4401-1. The contractor shall maintain file documentation which is appropriate to the value of the purchase and is adequate to establish the propriety of the transaction and the price paid. The contractor's purchasing performance will be evaluated against such performance criteria and measures as may be set forth elsewhere in this contract. DOE reserves the right at any time to require that the contractor submit for approval any or all purchases under this contract. The contractor shall not purchase any item or service the purchase of which is expressly prohibited by the written direction of DOE and shall use such special and directed sources as may be expressly required by the DOE contracting officer. DOE will conduct periodic appraisals of the contractor's management of all facets of the purchasing function, including the contractor's compliance with its approved system and methods. Such appraisals will be performed through the conduct of Contractor Purchasing System Reviews in accordance with 48 CFR subpart 44.3, or, when approved by the contracting officer, through the contractor's participation in the conduct of the Balanced Scorecard performance measurement and performance management system. The contractor's approved purchasing system and methods shall include the requirements set forth in paragraphs (b) through (y) of this clause.

(b) Acquisition of utility services. Utility services shall be acquired in accordance with the requirements of 48 CFR 970.41.

(c) Acquisition of Real Property. Real property shall be acquired in accordance with 48 CFR Subpart 917.74.

(d) Advance Notice of Proposed Subcontract Awards. Advance notice shall be provided in accordance with 48 CFR 970.4401-3.

(e) Audit of Subcontractors.

(1) The contractor shall provide for:

(i) periodic post-award audit of cost-reimbursement subcontractors at all tiers, and

(ii) audits where necessary, to provide a valid basis for pre-award or cost or price analysis.

(2) Responsibility for determining the costs allowable under each cost-reimbursement subcontract remains with the contractor or next higher-tier subcontractor. The contractor shall provide, in appropriate cases, for the timely involvement of the contractor and the DOE contracting officer in resolution of subcontract cost allowability.

(3) Where audits of subcontractors at any tier are required, arrangements may be made to have the cognizant Federal agency perform the audit of the subcontract. These arrangements shall be made administratively between DOE and the other agency involved and shall provide for the cognizant agency to audit in an appropriate manner in light of the magnitude and nature of the subcontract. In no case, however, shall these arrangements preclude determination by the DOE contracting officer of the allowability or unallowability of subcontractor costs claimed for reimbursement by the contractor.

(4) Allowable costs for cost reimbursable subcontracts are to be determined in accordance with the cost principles of 48 CFR Part 31, appropriate for the type of organization to which the subcontract is to be awarded, as supplemented by 48 CFR Part 931. Allowable costs in the purchase or transfer from contractor-affiliated sources shall be determined in accordance with 48 CFR 970.4402-3 and 48 CFR 970.3102-3-26(e).

(f) Bonds and Insurance.

(1) The contractor shall require performance bonds in penal amounts as set forth in 48 CFR 28.102-2(a) for all fixed priced and unit-priced construction subcontracts in excess of \$150,000. The contractor shall consider the use of performance bonds in fixed price nonconstruction subcontracts, where appropriate.

(2) For fixed-price, unit-priced and cost reimbursement construction subcontracts in excess of \$150,000 a payment bond shall be obtained on Standard Form 25A modified to name the contractor as well as the United States of America as obligees. The penal amounts shall be determined in accordance with 48 CFR 28.102-2(b).

(3) For fixed-price, unit-priced and cost-reimbursement construction subcontracts, greater than \$25,000, but not greater than \$150,000, the contractor shall select two or more of the payment protections at 48 CFR 28.102-1(b), giving particular consideration to the inclusion of an irrevocable letter of credit as one of the selected alternatives.

(4) A subcontractor may have more than one acceptable surety in both construction and other subcontracts, provided that in no case will the liability of any one surety exceed the maximum penal

sum for which it is qualified for any one obligation. For subcontracts other than construction, a co-surety (two or more sureties together) may reinsure amounts in excess of their individual capacity, with each surety having the required underwriting capacity that appears on the list of acceptable corporate sureties.

(g) Buy American. The contractor shall comply with the provisions of the Buy American Act as reflected in 48 CFR 52.225-1 and 48 CFR 52.225-9. The contractor shall forward determinations of nonavailability of individual items to the DOE contracting officer for approval. Items in excess of \$500,000 require the prior concurrence of the Head of Contracting Activity. If, however, the contractor has an approved purchasing system, the Head of the Contracting Activity may authorize the contractor to make determinations of nonavailability for individual items valued at \$500,000 or less.

(h) Construction and Architect-Engineer Subcontracts.

(1) Independent Estimates. A detailed, independent estimate of costs shall be prepared for all construction work to be subcontracted.

(2) Specifications. Specifications for construction shall be prepared in accordance with the DOE publication entitled "General Design Criteria Manual."

(3) Prevention of Conflict of Interest. (i) The contractor shall not award a subcontract for construction to the architect-engineer firm or an affiliate that prepared the design. This prohibition does not preclude the award of a "turnkey" subcontract so long as the subcontractor assumes all liability for defects in design and construction and consequential damages. (ii) The contractor shall not award both a cost-reimbursement subcontract and a fixed-price subcontract for construction or architect-engineer services or any combination thereof to the same firm where those subcontracts will be performed at the same site.

(iii) The contractor shall not employ the construction subcontractor or an affiliate to inspect the firm's work. The contractor shall assure that the working relationships of the construction subcontractor and the subcontractor inspecting its work and the authority of the inspector are clearly defined.

(i) Contractor-Affiliated Sources. Equipment, materials, supplies, or services from a contractor-affiliated source shall be purchased or transferred in accordance with 48 CFR 970.4402-3.

(j) Contractor-Subcontractor Relationship. The obligations of the contractor under paragraph (a) of this clause, including the development of the purchasing system and methods, and purchases made pursuant thereto, shall not relieve the contractor of any obligation under this contract (including, among other things, the obligation to properly supervise, administer, and coordinate the work of subcontractors). Subcontracts shall be in the name of the contractor, and shall not bind or purport to bind the Government.

(k) Government Property. Identification, inspection, maintenance, protection, and disposition of Government property shall conform with the policies and principles of 48 CFR Part 45, 48 CFR 945, the Federal Property Management Regulations 41 CFR Chapter 101, the DOE Property Management Regulations 41 CFR Chapter 109, and their contracts.

(l) Indemnification. Except for Price-Anderson Nuclear Hazards Indemnity, no subcontractor may be indemnified except with the prior approval of the Senior Procurement Executive.

(m) Leasing of Motor Vehicles. Contractors shall comply with 48 CFR 8.11 and 48 CFR 908.11.

(n) [Reserved.]

(o) Management, Acquisition and Use of Information Resources. Requirements for automatic data processing resources and telecommunications facilities, services, and equipment, shall be reviewed and approved in accordance with applicable DOE Orders and regulations regarding information resources.

(p) Priorities, Allocations and Allotments. Priorities, allocations and allotments shall be extended to appropriate subcontracts in accordance with the clause or clauses of this contract dealing with priorities and allocations.

(q) Purchase of Special Items. Purchase of the following items shall be in accordance with the following provisions of 48 CFR subpart 8.5, 48 CFR 908.71 and the Federal Property Management Regulations, 41 CFR Chapter 101 and 41 CFR part 102:

(1) Motor vehicles-48 CFR 908.7101

(2) Aircraft-48 CFR 908.7102

(3) Security Cabinets-48 CFR 908.7106

(4) Alcohol-48 CFR 908.7107

(5) Helium-48 CFR 8.5

(6) Fuels and packaged petroleum products-48 CFR 908.7109

(7) Coal-48 CFR 908.7110

(8) Arms and Ammunition-48 CFR 908.7111

(9) Heavy Water-48 CFR 908.7121(a)

(10) Precious Metals-48 CFR 908.7121(b)

(11) Lithium-48 CFR 908.7121(c)

(12) Products and services of the blind and severely handicapped-41 CFR 101-26.701

(13) Products made in Federal penal and correctional institutions—41 CFR 101-26.702

(r) Purchase vs. Lease Determinations. Contractors shall determine whether required equipment and property should be purchased or leased, and establish appropriate thresholds for application of lease vs. purchase determinations. Such determinations shall be made:

(1) at time of original acquisition;

(2) when lease renewals are being considered; and

(3) at other times as circumstances warrant.

(s) Quality Assurance. Contractors shall provide no less protection for the Government in its subcontracts than is provided in the prime contract.

(t) Setoff of Assigned Subcontractor Proceeds. Where a subcontractor has been permitted to assign payments to a financial institution, the assignment shall treat any right of setoff in accordance with 48 CFR 932.803.

(u) Strategic and Critical Materials. The contractor may use strategic and critical materials in the National Defense Stockpile.

(v) Termination. When subcontracts are terminated as a result of the termination of all or a portion of this contract, the contractor shall settle with subcontractors in conformity with the policies and principles relating to settlement of prime contracts in 48 CFR Subparts 49.1, 49.2 and 49.3. When subcontracts are terminated for reasons other than termination of this contract, the contractor shall settle such subcontracts in general conformity with the policies and principles in 48 CFR Subparts 49.1, 49.2, 49.3 and 49.4. Each such termination shall be documented and consistent with the terms of this contract. Terminations which require approval by the Government shall be supported by accounting data and other information as may be directed by the contracting officer.

(w) Unclassified Controlled Nuclear Information. Subcontracts involving unclassified uncontrolled nuclear information shall be treated in accordance with 10 CFR part 1017.

(x) Subcontract Flowdown Requirements. In addition to terms and conditions that are included in the prime contract which direct application of such terms and conditions in appropriate subcontracts, the contractor shall include the following clauses in subcontracts, as applicable:

(1) Construction Wage Rate Requirements (formerly known as the Davis-Bacon Act) clauses prescribed in 48 CFR 22.407.

(2) Foreign Travel clause prescribed in 48 CFR 952.247-70.

(3) Counterintelligence clause prescribed in 48 CFR 970.0404-4(a).

(4) Service Contract Act clauses prescribed in 48 CFR 22.1006.

(5) State and local taxes clause prescribed in 48 CFR 970.2904-1.

(6) Cost or pricing data clauses prescribed in 48 CFR 970.1504-3-1(b).

(7) [Reserved]

(8) Service Contract Reporting clause prescribed in 48 CFR 4.1705.

(9) Minimum Wages under Executive Order 13658 clause prescribed in 48 CFR 22.1906.

(10) Rights to Proposal Data (Technical) clause prescribed in 48 CFR 27.409(l).

(11) Contracts for Materials, Supplies, Articles, and Equipment Exceeding \$15,000 (formerly known as the Walsh-Healy Public Contracts Act) clause prescribed in 48 CFR 22.610.

(12) Patent Indemnity clause prescribed in 48 CFR 27.201-2(c).

(y) Legal Services. Contractor purchases of litigation, and other legal services are subject to the requirements in 10 CFR Part 719 and the requirements of this clause.