

CUSTOMER CONTRACT REQUIREMENTS
55549 - Integrity and Reliability of Integrated Circuits (IRIS) Phase III.
CUSTOMER CONTRACT HR0011-16-C-0041

CUSTOMER CONTRACT REQUIREMENTS

The following customer contract requirements apply to this contract to the extent indicated below. If this contract is for the procurement of commercial items under a Government prime contract, as defined in FAR Part 2.101, see Section 3 below.

1. FAR Clauses The following contract clauses are incorporated by reference from the Federal Acquisition Regulation and apply to the extent indicated. In all of the following clauses, "Contractor" and "Offeror" mean Seller.

52.203-6 Restrictions on Subcontractor Sales to the Government (SEP 2006). This clause applies only if this contract exceeds (i) \$100,000 if included in Buyer's customer RFP or customer contract issued before October 1, 2010 or (ii) \$150,000 if included in Buyer's customer RFP issued on or after October 1, 2010, or if the prime contract was issued prior to October 1, 2010 but was amended after October 1, 2010 to increase the Simplified Acquisition Threshold.

52.203-7 Anti-Kickback Procedures (MAY 2014). Buyer may withhold from sums owed Seller the amount of any kickback paid by Seller or its subcontractors at any tier if (a) the Contracting Officer so directs, or (b) the Contracting Officer has offset the amount of such kickback against money owed Buyer under the prime contract. This clause, excluding subparagraph (c)(1), applies only if this contract exceeds \$150,000.

52.203-8 Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity (MAY 2014). This clause applies to this contract if the Seller, its employees, officers, directors or agents participated personally and substantially in any part of the preparation of a proposal for this contract. The Seller shall indemnify Buyer for any and all losses suffered by the Buyer due to violations of the Act (as set forth in this clause) by Seller or its subcontractors at any tier.

52.203-10 Price or Fee Adjustment for Illegal or Improper Activity (MAY 2014). This clause applies only if this contract exceeds (i) \$100,000 if included in Buyer's customer RFP or customer contract issued before October 1, 2010 or (ii) \$150,000 if included in Buyer's customer RFP issued on or after October 1, 2010, or if the prime contract was issued prior to October 1, 2010 but was amended after October 1, 2010 to increase the Simplified Acquisition Threshold. If the Government reduces Buyer's price or fee for violations of the Act by Seller or its subcontractors at any tier, Buyer may withhold from sums owed Seller the amount of the reduction.

52.203-13 Contractor Code of Business Ethics and Conduct (OCT 2015). This clause applies only if this contract is in excess of \$5,500,000 and has a period of performance of more than 120 days.

52.203-14 Display of Hotline Poster(s) (OCT 2015). This clause applies only if this contract exceeds \$5,500,000 and is not for a commercial item or is performed entirely outside the United States. For the purposes of this clause, the United States is defined as the 50 states, the District of Columbia, and outlying areas.

52.203-17 Contractor Employee Whistleblower Rights and Requirement to Inform Employees of Whistleblower Rights (APR 2014). This clause applies only if this contract exceeds \$150,000.

52.203-17 Contractor Employee Whistleblower Rights and Requirement To Inform Employees of Whistleblower Rights (APR 2014). This clause applies only if this contract exceeds \$150,000.

52.204-7 System for Award Management (JUL 2013).

52.204-13 System for Award Management Maintenance (JUL 2013).

52.209-6 Protecting the Government's Interests When Subcontracting With Contractors Debarred, Suspended or Proposed for Debarment (OCT 2015). Seller agrees it is not debarred, suspended, or proposed for debarment by the Federal Government. Seller shall disclose to Buyer, in writing, whether as of the time of award of this contract, Seller or its principals is or is not debarred, suspended, or proposed for debarment by the Federal Government. This clause does not apply to contracts where Seller is providing commercially available off-the shelf items.

52.215-2 Audit and Records - Negotiation (OCT 2010). This clause applies only if this contract exceeds \$150,000 and (i) is cost-reimbursement, incentive, time-and-materials, labor-hour, or price-redeterminable type or any combination of these types; (ii) Seller was required to provide cost or pricing data, or (iii) Seller is required to furnish reports as discussed in paragraph (e) of the referenced clause.

52.215-10 Price Reduction for Defective Certified Cost or Pricing Data (AUG 2011). This clause applies only if this contract exceeds the threshold set forth in FAR 15.403-4 and is not otherwise exempt. In subparagraph (3) of paragraph (a), insert "of this contract" after "price or cost." In Paragraph (c), "Contracting Officer" shall mean "Contracting Officer or Buyer." In Paragraphs (c)(1), (c)(1)(ii), and (c)(2)(i), "Contracting Officer" shall mean "Contracting Officer or Buyer." In Subparagraph (c)(2)(i)(A), delete "to the Contracting Officer." In Subparagraph (c)(2)(ii)(B), "Government" shall mean "Government or Buyer." In Paragraph (d), "United States" shall mean "United States or Buyer."

52.215-11 Price Reduction for Defective Certified Cost or Pricing Data -- Modifications (AUG 2011). This clause applies only if this contract exceeds the threshold set forth in FAR 15.403-4 and is not otherwise exempt. "Contracting Officer" shall mean "Contracting Officer or Buyer." In subparagraph (d)(2)(i)(A), delete "to the Contracting Officer." In subparagraph (d)(2)(ii)(B), "Government" means "Government" or "Buyer." In Paragraph (e), "United States" shall mean "United States or Buyer."

52.215-12 Subcontractor Certified Cost or Pricing Data (OCT 2010). This clause applies only if this contract exceeds the threshold set forth in FAR 15.403-4 and is not otherwise exempt. The certificate required by paragraph (b) of the referenced clause shall be modified as follows: delete "to the Contracting Officer or the Contracting Officer's representative" and substitute in lieu thereof "to The Boeing Company or The Boeing Company's representative (including data submitted, when applicable, to an authorized representative of the U.S. Government)."

52.215-13 Subcontractor Certified Cost or Pricing Data -- Modifications (OCT 2010). This clause applies only if this contract exceeds the threshold set forth in FAR 15.403-4 and is not otherwise exempt. The certificate required by paragraph (c) of the referenced clause shall be modified as follows: delete "to the Contracting Officer or the Contracting Officer's representative" and substitute in lieu thereof "to The Boeing Company or The Boeing Company's representative (including data submitted, when applicable, to an authorized representative of the U.S. Government)."

52.215-14 Integrity of Unit Prices (OCT 2010). This clause applies except for contracts at or below \$150,000; construction or architect-engineer services under FAR Part 36; utility services under FAR Part 41; services where supplies are not required; commercial items; and petroleum products.

52.215-15 Pension Adjustments and Asset Reversions (OCT 2010). This clause applies to this contract if it meets the requirements of FAR 15.408(g).

52.215-18 Reversion or Adjustment of Plans for Post-Retirement Benefits (PRB) Other Than Pensions (JUL 2005). This clause applies to this contract if it meets the requirements of FAR 15.408(j).

52.215-19 Notification of Ownership Changes (OCT 1997). This clause applies to this contract if it meets the requirements of FAR 15.408(k).

52.215-21 Requirement for Certified Cost or Pricing Data or Information Other Than Certified Cost and Pricing Data - Modifications (OCT 2010). This clause applies only if this contract exceeds the threshold set forth in FAR 15.403-4. The term "Contracting Officer" shall mean Buyer. Insert the following in lieu of paragraph (a)(2): "Buyer's audit rights to determine price reasonableness shall also apply to verify any request for an exception under this clause. For items priced using catalog or market prices, or law or regulation, access does not extend to cost or profit information or other data relevant solely to the Contractor's determination

of the prices to be offered in the catalog or marketplace.”

52.215-23 Limitations on Pass-Through Charges. (OCT 2009). This clause applies to all cost-reimbursement subcontracts that exceeds (i) \$100,000 if included in Buyer's customer RFP or customer contract issued before October 1, 2010 or (ii) \$150,000 if included in Buyer's customer RFP issued on or after October 1, 2010, or if the prime contract was issued prior to October 1, 2010 but was amended after October 1, 2010 to increase the Simplified Acquisition Threshold. If the contract is with DoD, then this clause applies to all cost-reimbursement subcontracts and fixed-price subcontracts, except those identified in 15.408(n)(2)(i)(B)(2), that exceed the threshold for obtaining cost or pricing data in accordance with FAR 15.403-4. In paragraph (c), "Contracting Officer" shall mean Buyer.

52.219-9 Small-Business Subcontracting Plan (OCT 2015). This clause applies only if this contract exceeds \$700,000 and Seller is not a small business concern. Seller shall adopt a subcontracting plan that complies with the requirements of this clause. In addition, Seller shall submit to Buyer Form X31162, Small Business Subcontracting Plan Certificate of Compliance. In accordance with paragraph (d)(10)(iv), Seller agrees that it will submit the ISR and/or SSR using eSRS, and, in accordance with paragraph (d)(10)(vi), Seller agrees to provide the prime contract number, its own DUNS number, and the email address of Seller's official responsible for acknowledging or rejecting the ISRs, to its subcontractors with subcontracting plans.

52.219-28 Post-Award Small Business Program Representation (JUL 2013). In paragraph (b), delete "...or, if applicable paragraph (g) of this clause..." Delete paragraph (c) and insert the following paragraph (c) in lieu thereof: "Seller shall represent its size status in accordance with SBA's size code standards in effect at the time of this representation to Buyer. The size status shall correspond to the North American Industry Classification System (NAICS) code applicable to Seller's contract." Delete paragraphs (d) and (g). Delete paragraph (e) and insert the following paragraph (e) in lieu thereof: "Seller shall make the representation required by paragraph (b) of this clause by submitting an updated Buyer Form F70102 or updating Seller's profile information on line in Buyer's BEST system."

52.222-21 Prohibition of Segregated Facilities (APR 2015).

52.222-26 Equal Opportunity (APR 2015).

52.222-35 Equal Opportunity for Veterans. (OCT 2015). This clause applies only if this contract is \$150,000 or more.

52.222-36 Equal Opportunity for Workers with Disabilities (JUL 2014). This clause applies only if this contract exceeds \$15,000.

52.222-37 Employment Reports on Veterans (OCT 2015). This clause applies if this contract is \$150,000 or more.

52.222-40 Notification of Employee Rights Under the National Labor Relations Act. (DEC 2010).

52.222-50 Combating Trafficking in Persons (MAR 2015). The term "Contractor" shall mean "Seller", except the term "prime contractor" shall remain unchanged. The term "Contracting Officer" shall mean "Contracting Officer and the Buyer's Authorized Procurement representative in paragraph (d)(1). Paragraph (d)(2) shall read as follows: "If the allegation may be associated with more than one contract, the Seller shall inform the Buyer's Authorized Procurement Representative for each affected contract." The term "the Government" shall mean "the Government and Buyer" in paragraph (e). The term "termination" shall mean "cancellation" and "Cancellation for Default", respectively, in paragraph (e)(6). Insert the following at the end of paragraph (e): "If the Government exercises one of the remedies identified in the paragraph (e) against Buyer as a result, in whole or in part, of the Seller's violation of its obligations under this clause, Buyer may impose that remedy against the Seller proportionate to the extent to which Seller's violation caused the Government's decision to impose a remedy on Buyer." The term "Contracting Officer" shall mean "Contracting Officer and Buyer" in paragraph (f), except in paragraph (f)(2), where it shall mean "Contracting Officer or Buyer". Paragraph (h)(2)(ii) shall read as follows: "To the nature and scope of the activities involved in the performance of a Government subcontract, including the number of non-United States citizens expected to be employed and the risk that the contract or subcontract will involve services or supplies susceptible to trafficking in persons." The term "Contracting Officer" shall mean "Contracting Officer or Buyer" in paragraph (h)(4)(ii). The term "Contracting Officer" shall mean "Buyer" in paragraph (h)(5).

52.222-54 Employment Eligibility Verification (OCT 2015). This clause applies to all subcontracts that (1) are for (i) commercial or noncommercial services (except for commercial services that are part of the purchase of a COTS item, or an item that would be a COTS

item, but for minor modifications performed by the COTS provider and are normally provided for that COTS item), or (ii) construction; (2) has a value of more than \$3,500; and (3) includes work performed in the United States.

52.223-18 Encouraging Contractor Policies To Ban Text Messaging While Driving (AUG 2011).

52.224-2 Privacy Act (APR 1984). This clause applies only if Seller is required to design, develop, or operate a system of records contemplated by this clause.

52.225-13 Restriction on Certain Foreign Purchases (JUN 2008).

52.227-1 Authorization and Consent (Dec 2007) Alternate I (APR 1984).

52.227-2 Notice and Assistance Regarding Patent and Copyright Infringement (DEC 2007). A copy of each notice sent to the Government shall be sent to Buyer.

52.230-6 Administration of Cost Accounting Standards (JUN 2010). Add "Buyer and the" before "CFAO" in paragraph (m). This clause applies if clause H001, H002, H004 or H007 is included in this contract.

52.232-39 Unenforceability of Unauthorized Obligations (JUN 2013).

52.232-40 Providing Accelerated Payments to Small Business Subcontractors. (DEC 2013). This clause applies to contracts with small business concerns. The term "Contractor" retains its original meaning.

52.244-6 Subcontracts for Commercial Items (DEC 2015). Clauses in paragraph (c) (1) are applicable to Seller for commercial items ordered by Buyer from Seller under this contract.

52.245-1 Government Property (APR 2012). This clause applies if Government property is acquired or furnished for contract performance. "Government" shall mean Government throughout except the first time it appears in paragraph (g)(1) when "Government" shall mean the Government or the Buyer.

52.247-63 Preference for U.S.-Flag Air Carriers (JUN 2003). This clause only applies if this contract involves international air transportation.

2. DoD FAR Supplement Clauses DoD Contracts. The following contract clauses are incorporated by reference from the Department of Defense Federal Acquisition Regulation Supplement and apply to the extent indicated. In all of the following clauses, "Contractor" and "Offeror" mean Seller except as otherwise noted.

252.203-7001 Prohibition on Persons Convicted of Fraud or Other Defense-Contract-Related Felonies (DEC 2008). This clause applies only if this contract exceeds (i) \$100,000 if included in Buyer's customer RFP or customer contract issued before October 1, 2010 or (ii) \$150,000 if included in Buyer's customer RFP issued on or after October 1, 2010, or if the prime contract was issued prior to October 1, 2010 but was amended after October 1, 2010 to increase the Simplified Acquisition Threshold and is not for the purchase of commercial items or commercial components. Except in paragraph (a), "this contract" and "the contract" mean the contract between Buyer and Seller. In subparagraph (d)(2), delete the words "or first-tier subcontractor." In paragraph (e), the remedies described in subparagraphs (2) and (3) are available to Buyer, not the Government. In paragraph (f), "through the Buyer" is inserted after "Contracting Officer." Paragraph (g) is deleted.

252.203-7002 REQUIREMENT TO INFORM EMPLOYEES OF WHISTLEBLOWER RIGHTS (SEP 2013).

252.204-7004 Alternate A, System for Award Management (FEB 2014).

252.204-7012 Safeguarding Covered Defense Information and Cyber Incident Reporting (DEC 2015). This clause applies if the Contract is for operationally critical support or where performance will involve a covered contractor information system. The term "contractor" retains its original meaning wherever the word is not capitalized. In the terms "Contractor attributional/proprietary

information," "Contractor information system" and "covered contractor information system," the term "contractor" also retains its original meaning. In paragraph (b)(1)(ii), the applicable security standard that applies to this Contract is NIST SP 800-171, Revision 1. In paragraphs (d) and (g), "Contracting Officer" shall mean "Contracting Officer or Buyer." In paragraph (m)(2), the term "prime Contractor" retains its original meaning. Reporting to Buyer shall be accomplished via abuse@Boeing.com with a copy to the Buyer's Authorized Procurement Representative. The Boeing 1st tier subcontractor shall rapidly report lower tier subcontractor information it receives.

252.211-7003 Item Unique Identification and Valuation (DEC 2013). This clause applies if this contract acquires any item for which unique item identification is required in accordance with paragraph (c) (1) of this clause. Items subject to the requirements of DFARS 252.211-7003, if any, shall be identified in an exhibit in this contract.

252.215-7000 Pricing Adjustments (DEC 2012). This clause applies only if this contract exceeds the threshold set forth in FAR 15.403-4.

252.219-7003 Small Business Subcontracting Plan (DoD Contracts) (OCT 2014). Paragraph (e) shall be deleted.

252.225-7012 Preference for Certain Domestic Commodities (FEB 2013).

252.225-7048 Export-Controlled Items (JUN 2013).

252.226-7001 Utilization of Indian Organizations and Indian-Owned Economic Enterprises--DoD Contracts and Native Hawaiian Small Business Concerns (SEP 2004). This clause applies only if this contract exceeds \$500,000.

252.227-7013 Rights In Technical Data -- Noncommercial Items (FEB 2014). This clause applies when technical data for noncommercial items or for commercial items developed in any part at Government expense, is to be obtained from Seller or Seller's subcontractors for delivery to the Government.

252.227-7014 Rights In Noncommercial Computer Software And Noncommercial Computer Software Documentation (FEB 2014). This clause applies when noncommercial computer software or computer software documentation is to be obtained from Seller or Seller's subcontractors for delivery to the Government.

252.227-7015 Technical Data -- Commercial Items (FEB 2014). This clause applies whenever any technical data related to commercial items is developed in any part at private expense and will be obtained from Seller or its subcontractors for delivery to the Government.

252.227-7016 Rights in Bid or Proposal Information (JAN 2011).

252.227-7019 Validation of Asserted Restrictions - Computer Software (SEP 2011).

252.227-7026 Deferred Delivery of Technical Data or Computer Software (APR 1988). This clause applies only if the delivery of data is required or if computer software may be originated, developed or delivered under this contract.

252.227-7027 Deferred Ordering of Technical Data or Computer Software (APR 1988). This clause applies only if technical data or computer software may be generated as part of the performance of this contract.

252.227-7030 Technical Data -- Withholding of Payment (MAR 2000). In this clause, "Government" and "Contracting Officer" shall mean Buyer. This clause applies only if the delivery of technical data is required under this contract.

252.227-7037 Validation of Restrictive Markings on Technical Data (JUN 2013).

252.227-7038 Patent Rights—Ownership By The Contractor (Large Business) (JUN 2012). This clause applies only if this contract is for experimental, developmental, or research work and Seller is not a small business firm or nonprofit organization.

252.231-7000 Supplemental Cost Principles (DEC 1991).

252.244-7000 Subcontracts for Commercial Items (JUN 2013).

252.245-7000 Government-Furnished Mapping, Charting, and Geodesy Property (APR 2012). "Contracting Officer" and "Government" means Buyer. "Government-furnished" means Government or Buyer furnished MC&G property.

252.245-7001 Tagging, Labeling, and Marking Of Government-Furnished Property (APR 2012).

252.247-7023 Transportation of Supplies by Sea-Basic (APR 2014). This clause applies if this contract is for supplies that are of a type described in paragraph (b)(2) of this clause. In paragraph (d), "45 days" is changed to "60 days." If this contract exceeds the simplified acquisition threshold, paragraphs (a)-(h) apply. In paragraph (g) "Government" means Buyer. If this contract is at or below the simplified acquisition threshold, paragraphs (f) and (g) are excluded.

252.247-7024 Notification of Transportation of Supplies by Sea (MAR 2000). Contracting Officer and, in the first sentence of paragraph (a), Contractor mean Buyer. This clause applies only if the supplies being transported are noncommercial items or commercial items that (i) Seller is reselling or distributing to the Government without adding value (generally, Seller does not add value to items that it contracts for f.o.b. destination shipment); (ii) are shipped in direct support of U.S. military contingency operations, exercises, or forces deployed in humanitarian or peacekeeping operations; or (iii) are commissary or exchange cargoes transported outside the Defense Transportation System in accordance with 10 U.S.C. 2643.

3. Prime Contract Special Provisions The following prime contract special provisions apply to this purchase order

DARPA-CMO-H-0003 Public Release or Dissemination of Information .

(a) With the exception of the work to be performed by University subcontractor(s) as noted at subparagraph (3) below, DARPA expects the work performed under this contract will NOT be fundamental research, and it is, therefore, subject to the following publication restrictions:

There shall be no dissemination or publication, except within and between the Contractor and any subcontractors, of information developed under this contract or contained in the reports to be furnished pursuant to this contract without prior written approval, which will be communicated to the Contractor by email through the DARPA Public Release Center (PRC) at PRC@darpa.mil. All technical reports will be given proper review by appropriate authority to determine which Distribution Statement is to be applied prior to the initial distribution of these reports by the Contractor. These restrictions must be flowed down to all subcontractors, with the exception of the subcontractors listed in paragraph (3) of this clause. Any publications shall incorporate an Acknowledgement of Support and Disclaimer in accordance with DFARs 252.235-7010.

(b) When submitting material for written approval for open publication as described in subparagraph (a) above, the Contractor must submit a request for public release request to the PRC and include the following information: 1) Document Information: document title, document author, short plain-language description of technology discussed in the material (approx. 30 words), number of pages (or minutes of video) and document type (briefing, report, abstract, article, or paper); 2) Event Information: event type (conference, principle investigator meeting, article or paper), event date, desired date for DARPA's approval; 3) DARPA

Sponsor: DARPA Program Manager, DARPA office, and contract number; and 4) Contractor's Information: POC name, e-mail and phone. Allow four weeks for processing; due dates under four weeks require a justification. Unusual electronic file formats may require additional processing time. Requests can be sent either via e-mail to PRC@darpa.mil or via hard copy to 675 North Randolph Street, Arlington VA 22203-2114, telephone (571) 218-4235. Refer to <http://www.darpa.mil/work-with-us/contractmanagement/public-release> for information about DARPA's public release process.

(c) At this time, DARPA expects the work performed under this contract by the below listed University subcontractor(s) to be fundamental research, and it is, therefore, not subject to publication restrictions. Papers resulting from unclassified contracted fundamental research are exempt from prepublication controls and requirements, pursuant to DoD Instruction 5230.27 dated October 6, 1987. Should the character of the fundamental, the contract between the prime and University subcontractor listed below will be modified to impose the restrictions on public release and dissemination of information that apply to those research efforts that are not considered fundamental research.

University of California, Los Angeles “Boeing CRAFT Program” 21-Sep-15

Stanford University “Analog Layout Automation Using Digital Place and Route Tools (Proposal 122037)” 23-Sep-15

Stanford University “Analog Layout Automation Using Digital Place and Route Tools (Proposal 121926)” 23-Sep-15

DARPA-CMO-H-0004 Key Personnel .

(a) The Contractor has a duty to notify the Contracting Officer prior to making any change in key personnel. Therefore - each subcontractor must notify the Contractor prior to making any change in key personnel.

Key personnel are defined as follows:

(1) Personnel identified in the proposal as key individuals to be assigned for participation in the performance of the contract;

(2) Personnel whose resumes were submitted with the proposal; or

(3) Individuals who are designated by name as key personnel by agreement in this document.

(b) The subcontract must demonstrate to the contractor in order for the contractor to demonstrate to the customer that the qualifications of the prospective personnel are equal to or better than the qualifications of the personnel being replaced.

(c) Key Personnel are identified as follows:

Name Company/University Title

Yu (Kevin) Cao Arizona State University Principal Investigator

Kaushik Roy Purdue University Principal Investigator

Hans Manhaeve Ridgetop Group, Inc. Principal Investigator

James Lloyd SUNY Polytechnic Institute Principal Investigator

DARPA-CMO-H-0006 Travel . Reimbursement for travel-related expenses shall be in accordance with Boeing's approved travel policy. The Federal Travel Regulations, Joint Travel Regulations (JTR), and Standardized Regulations as stated in FAR 31.205-46 will be used as a guide in determining reasonableness of per diem costs. Costs for travel shall be allowable subject to the provisions of FAR 31.205-46.

The subcontractor shall hold travel to the minimum required to meet the objectives of the contract.

All foreign travel shall be authorized and approved in advance, in writing, by the Contracting Officer.

Request for such travel must be submitted to Boeing at least 60 days in advance as Boeing is required to submit to the Contracting Officer at least forty-five (45) days in advance traveler's anticipated departure date, and shall include traveler's itinerary of United States Flag Air Carriers.

DARPA-CMO-H-0013 Title to Equipment . In accordance with FAR 35.014, “Government property and title”, title to all equipment purchased with funds available for research under this contract shall vest in the acquiring nonprofit institution, namely Arizona State University, Purdue University, and SUNY Polytechnic Institute, upon acquisition without further obligation to the Government. The equipment shall be used for the conduct of basic or applied scientific research.