SOLICITATION, OFFER, AND AWARD

1. This Contract is a Rated Order under the Defense Priorities and Allocations System (DPAS) - Code of Federal Regulations - at 15 CFR 700.

RATING: DO-A1

2. CONTRACT NUMBER	3. SOLICITATION NUMBER	4. TYPE OF SOLICITATION	5. DATE ISSUED	6. REQUISITION/PURCHASE NUMBER
FA239124CB044		☐ SEALED BID (IFB) INVITATION FOR BID ☐ NEGOTIATED (RFP) REQUEST FOR PROPOSAL		

7. ISSUED BY — CODE FA2391

FA2391 USAF AFMC AFRL PZL AFRL RQKP
BLDG 45 CP 937 713 9906, 2130 8TH ST
WRIGHT PATTERSON AFB, OH 45433-7541
UNITED STATES

8. ADDRESS OFFER TO *(If other than item 7)*

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Sealed offers in original and _____ copies for furnishings the supplies or services in the Schedule will be received at the place specified in item 8, or if hand carried, in the depository located in _____ until _____ *(Hour)* local time _____ *(Date)*

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision Number 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME	B. TELEPHONE *(NO COLLECT CALLS)*			C. EMAIL ADDRESS
		AREA CODE	NUMBER	EXTENSION	

11. TABLE OF CONTENTS

(X)	SECTION	DESCRIPTION	PAGE(S)	(X)	SECTION	DESCRIPTION	PAGE(S)
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X	A	SOLICITATION/CONTRACT FORM	1-2	X	I	CONTRACT CLAUSES	17-57
X	B	SUPPLIES OR SERVICES AND PRICES/COSTS	3-8			*PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS*	
X	C	DESCRIPTION/SPECIFICATIONS/WORK STATEMENT	9	X	J	LIST OF ATTACHMENTS	58
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X	E	INSPECTION AND ACCEPTANCE	10		K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
X	F	DELIVERIES OR PERFORMANCE	11				
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OFFER *(Must be fully completed by offeror)*

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days *(60 calendar days unless a different period is inserted by the offeror)* from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT *(See Section I, Clause Number 52.232-8)*	10 CALENDAR DAYS (%)	20 CALENDAR DAYS (%)	30 CALENDAR DAYS (%)	CALENDAR DAYS (%)

14. ACKNOWLEDGMENT OF AMENDMENTS *(The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):*	AMENDMENT NUMBER	DATE	AMENDMENT NUMBER	DATE

15A. NAME AND ADDRESS OF OFFEROR — CODE _____ FACILITY _____

16. NAME AND THE TITLE OF PERSON AUTHORIZED TO SIGN OFFER *(Type or print)*

15B. TELEPHONE NUMBER			☐ 15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.	17. SIGNATURE	18. OFFER DATE
AREA CODE	NUMBER	EXTENSION			

AWARD *(To be completed by Government)*

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION
See Schedule	USD 15.00	See Section G - Contract Administration Data

22. AUTHORITY FOR USING OTHER THAN FULL OPEN COMPETITION UNDER THE UNITED STATES CODE AT:
☐ 10 U.S.C. 3204(a) ☐ 41 U.S.C. 3304(a) ( )

23. SUBMIT INVOICES TO ADDRESS SHOWN IN *(4 copies unless otherwise specified)* — ITEM 25

24. ADMINISTERED BY *(If other than Item 7)*
FA2391 USAF AFMC AFRL PZL AFRL RQKP
BLDG 45 CP 937 713 9906, 2130 8TH ST
WRIGHT PATTERSON AFB, OH 45433-7541
UNITED STATES
SCD: PAS:

25. PAYMENT WILL BE MADE BY — CODE _____

26. NAME OF CONTRACTING OFFICER *(Type or print)*	27. UNITED STATES OF AMERICA *(Signature of Contracting Officer)*	28. AWARD DATE

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

AUTHORIZED FOR LOCAL REPRODUCTION
Previous edition is unusable

STANDARD FORM 33 (REV. 12/2022)
Prescribed by GSA - FAR (48 CFR) 53.214 (c)

Created On:
05 Jun 2024, 16:27 PM Central Daylight Time

Section A - Solicitation/Contract Form

PACER BAA model contract

North American Industry Classification System (NAICS): 541715

Section B - Supplies or Services & Prices or Costs

Additional Information/Notes

Pursuant to clause FAR 52.232-22, *Limitation of Funds*, the total amount available for payment and allotted to this contract for CLIN(s) {TBD per individual contract} is ${TBD per individual contract}. It is estimated that this amount is sufficient to cover performance through {TBD per individual contract}.

Item	Supplies/Service	Quantity	Unit	Unit Price	Amount
0001	RESEARCH AND DATA The contractor shall conduct research in accordance with Section J, Attachment {X}, Statement of Work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The estimated cost and fixed-fee amounts are as follows: - Cost: ${TBD per individual contract} - Fixed-Fee: ${TBD per individual contract} - Total CPFF: ${TBD per individual contract} The contractor shall deliver data in accordance with Exhibit {X}, Contract Data Requirements List (CDRL), DD Form 1423-1, dated {TBD per individual contract}. CDRL delivery addresses will be provided with each contract. Product Service Code: AC13 Pricing Arrangement: Cost Plus Fixed Fee	1	Lot		Fixed Fee USD 1.00 Estimated Cost USD 1.00 Estimated Cost + Fixed Fee USD 2.00
0002	HARDWARE The contractor shall deliver hardware in accordance with Section J, Attachment {X}, Statement of work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The contractor shall deliver any and all hardware developed and/or acquired via the course of this effort. Hardware deliverables include, but are not limited to, the following: {TBD per individual contract} In accordance with clause DFARS 252.211-7003, "Item Unique Identification and Valuation", the contractor shall identify the unit acquisition cost for all deliverable	1	Lot		Fixed Fee USD 1.00 Estimated Cost USD 1.00 Estimated Cost + Fixed Fee USD 2.00

	end items for which item unique identification applies. Product Service Code: AC13 Pricing Arrangement: Cost Plus Fixed Fee				
0003	SOFTWARE The contractor shall deliver computer software in accordance with Section J, Attachment {X}, Statement of work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The contractor shall deliver any and all computer software developed and/or acquired via the course of this effort. Computer software deliverables include, but are not limited to, the following: {TBD per individual contract} Any commercial off-the-shelf (COTS) software license to be delivered to the U.S. Government under this contract shall be consistent with federal law and submitted to the Contracting Officer for review and acceptability. Although some license terms do not necessarily violate federal law, they may raise security concerns or limit use to such an extent that the license does not meet the Government's needs. Product Service Code: AC13 Pricing Arrangement: Cost Plus Fixed Fee	1	Lot		Fixed Fee USD 1.00 Estimated Cost USD 1.00 Estimated Cost + Fixed Fee USD 2.00
0004	RESEARCH AND DATA The contractor shall conduct research in accordance with Section J, Attachment {X}, Statement of Work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. Total estimated cost: ${TBD per individual contract} The contractor shall deliver data in accordance with Exhibit {X}, Contract Data Requirements List (CDRL), DD Form 1423-1, dated {TBD per individual contract}. CDRL delivery addresses will be provided with each contract. Product Service Code: AC13 Pricing Arrangement: Cost No Fee	1	Lot		Estimated Cost USD 1.00
	HARDWARE				

0005	The contractor shall deliver hardware in accordance with Section J, Attachment {X}, Statement of work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The contractor shall deliver any and all hardware developed and/or acquired via the course of this effort. Hardware deliverables include, but are not limited to, the following: {TBD per individual contract} In accordance with clause DFARS 252.211-7003, "Item Unique Identification and Valuation", the contractor shall identify the unit acquisition cost for all deliverable end items for which item unique identification applies. Product Service Code: AC13 Pricing Arrangement: Cost No Fee	1	Lot		Estimated Cost USD 1.00
0006	SOFTWARE The contractor shall deliver computer software in accordance with Section J, Attachment {X}, Statement of work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The contractor shall deliver any and all computer software developed and/or acquired via the course of this effort. Computer software deliverables include, but are not limited to, the following: {TBD per individual contract} Any commercial off-the-shelf (COTS) software license to be delivered to the U.S. Government under this contract shall be consistent with federal law and submitted to the Contracting Officer for review and acceptability. Although some license terms do not necessarily violate federal law, they may raise security concerns or limit use to such an extent that the license does not meet the Government's needs. Product Service Code: AC13 Pricing Arrangement: Cost No Fee	1	Lot		Estimated Cost USD 1.00
	RESEARCH AND DATA The contractor shall conduct research in accordance with Section J, Attachment {X}, Statement of Work, entitled "{TBD per individual contract}", dated				Estimated Cost USD 1.00 Share Ratio Government Share: 50% Cap Amount USD 1.00 Contractor Share: 50%

	{TBD per individual contract}. The estimated cost sharing amounts are as follows: - Government share: ${TBD per individual contract} - Contractor share: ${TBD per individual contract} - Total estimated cost: ${TBD per individual contract} The contractor shall deliver data in accordance with Exhibit {X}, Contract Data Requirements List (CDRL), DD Form 1423-1, dated {TBD per individual contract}. CDRL delivery addresses will be provided with each contract. Product Service Code: AC13 Pricing Arrangement: Cost Sharing				Cap Amount USD 1.00
0007		1	Lot		
0008	HARDWARE The contractor shall deliver hardware in accordance with Section J, Attachment {X}, Statement of work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The contractor shall deliver any and all hardware developed and/or acquired via the course of this effort. Hardware deliverables include, but are not limited to, the following: {TBD per individual contract} In accordance with clause DFARS 252.211-7003, "Item Unique Identification and Valuation", the contractor shall identify the unit acquisition cost for all deliverable end items for which item unique identification applies. Product Service Code: AC13 Pricing Arrangement: Cost Sharing	1	Lot		Estimated Cost USD 1.00 Share Ratio Government Share: 50% Cap Amount USD 1.00 Contractor Share: 50% Cap Amount USD 1.00
	SOFTWARE The contractor shall deliver computer software in accordance with Section J, Attachment {X}, Statement of work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The contractor shall deliver any and all computer software developed and/or acquired via the course of this effort. Computer software deliverables include, but are not limited to, the following:				Estimated Cost USD 1.00 Share Ratio Government Share: 50% Cap Amount USD 1.00 Contractor Share: 50% Cap Amount USD 1.00

0009	{TBD per individual contract} Any commercial off-the-shelf (COTS) software license to be delivered to the U.S. Government under this contract shall be consistent with federal law and submitted to the Contracting Officer for review and acceptability. Although some license terms do not necessarily violate federal law, they may raise security concerns or limit use to such an extent that the license does not meet the Government's needs. Product Service Code: AC13 Pricing Arrangement: Cost Sharing	1	Lot		
0010	RESEARCH AND DATA The contractor shall conduct research in accordance with Section J, Attachment {X}, Statement of Work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The scheduled delivery date for the approved final technical report is {TBD per individual contract}. The technical effort shall be completed no later than {TBD per individual contract}. 0001AA MILESTONE 1 - STATUS REPORT: The contractor shall conduct research in accordance with Section J, Attachment {X}, Statement of Work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The status report/milestone shall provide the Government with the means to evaluate and monitor contractor progress in accomplishing the program goals for the reporting period. Product Service Code: AC13 Pricing Arrangement: Firm Fixed Price	1	Lot	USD 1.00	Firm Price USD 1.00
	HARDWARE The contractor shall deliver hardware in accordance with Section J, Attachment {X}, Statement of work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The contractor shall deliver any and all hardware developed and/or acquired via the course of this effort. Hardware deliverables include, but are not limited to, the				Firm Price USD 1.00

0011	following: {TBD per individual contract} In accordance with clause DFARS 252.211-7003, "Item Unique Identification and Valuation", the contractor shall identify the unit acquisition cost for all deliverable end items for which item unique identification applies. Product Service Code: AC13 Pricing Arrangement: Firm Fixed Price	1	Lot	USD 1.00	
0012	SOFTWARE The contractor shall deliver computer software in accordance with Section J, Attachment {X}, Statement of work, entitled "{TBD per individual contract}", dated {TBD per individual contract}. The contractor shall deliver any and all computer software developed and/or acquired via the course of this effort. Computer software deliverables include, but are not limited to, the following: {TBD per individual contract} Any commercial off-the-shelf (COTS) software license to be delivered to the U.S. Government under this contract shall be consistent with federal law and submitted to the Contracting Officer for review and acceptability. Although some license terms do not necessarily violate federal law, they may raise security concerns or limit use to such an extent that the license does not meet the Government's needs. Product Service Code: AC13 Pricing Arrangement: Firm Fixed Price	1	Lot	USD 1.00	Firm Price USD 1.00

Section C - Description/Specifications/Statement of Work

Requirements
Model contract for PACER BAA

Section D - Packaging and Marking

Section E - Inspection and Acceptance

FAR Clauses Incorporated by Reference

Number	Title	Effective Date	Alternate/ Deviation	Variation Effective Date
52.246-2	Inspection of Supplies-Fixed-Price.	Aug 1996		
52.246-5	Inspection of Services-Cost-Reimbursement.	Apr 1984		
52.246-6	Inspection-Time-and-Material and Labor-Hour. (Alternate I)	May 2001	Alternate I	Apr 1984
52.246-7	Inspection of Research and Development-Fixed-Price.	Aug 1996		
52.246-8	Inspection of Research and Development-Cost-Reimbursement.	May 2001		
52.246-8	Inspection of Research and Development-Cost-Reimbursement. (Alternate I)	May 2001	Alternate I	Apr 1984
52.246-9	Inspection of Research and Development (Short Form).	Apr 1984		
52.246-16	Responsibility for Supplies.	Apr 1984		

Section F - Deliveries or Performance

Contractor
Destination

FAR Clauses Incorporated by Reference

Number	Title	Effective Date	Alternate/ Deviation	Variation Effective Date
52.242-15	Stop-Work Order.	Aug 1989		
52.242-15	Stop-Work Order. (Alternate I)	Aug 1989	Alternate I	Apr 1984
52.247-34	F.o.b. Destination.	Nov 1991		

Section G - Contract Administration Data

DFARS PGI 204.7108(b)(2), *Payment instructions* (MAR 2024)

The payment office shall allocate and record the amounts paid to the accounting classification citations in the contract using the table shown in **Section J, Attachment 5**, based on the type of payment request submitted (see DFARS 252.232-7006) and the type of effort.

DFARS Clauses Incorporated by Reference

Number	Title	Effective Date	Alternate/ Deviation	Variation Effective Date
252.204-7002	Payment for Contract Line or Subline Items Not Separately Priced.	Apr 2020		
252.204-7006	Billing Instructions-Cost Vouchers	May 2023		
252.231-7000	Supplemental Cost Principles	Dec 1991		
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports.	Dec 2018		

DFARS Clauses Incorporated by Full Text

252.232-7006 Wide Area WorkFlow Payment Instructions. (Jan 2023)

As prescribed in 232.7004(b), use the following clause:

WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (JAN 2023)

(a) Definitions. As used in this clause-

"Department of Defense Activity Address Code (DoDAAC)" is a six position code that uniquely identifies a unit, activity, or organization.

"Document type" means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

"Local processing office (LPO)" is the office responsible for payment certification when payment certification is done external to the entitlement system.

"Payment request" and "receiving report" are defined in the clause at 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(b) Electronic invoicing. The WAWF system provides the method to electronically process vendor payment requests and receiving reports, as authorized by Defense Federal Acquisition Regulation Supplement (DFARS) 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Contractor shall-

(1) Have a designated electronic business point of contact in the System for Award Management at https://www.sam.gov; and

(2) Be registered to use WAWF at https://wawf.eb.mil/ following the step-by-step procedures for self-registration available at this web site.

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at https://wawf.eb.mil/

(e) WAWF methods of document submission. Document submissions may be via web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Contractor shall use the following information when submitting payment requests and receiving reports in WAWF for this contract or task or delivery order:

(1) Document type. The Contractor shall submit payment requests using the following document type(s):

(i) For cost-type line items, including labor-hour or time-and-materials, submit a cost voucher.

(ii) For fixed price line items-

(A) That require shipment of a deliverable, submit the invoice and receiving report specified by the Contracting Officer.

TBD per individual contracts

(Contracting Officer: Insert applicable invoice and receiving report document type(s) for fixed price line items that require shipment of a deliverable.)

(B) For services that do not require shipment of a deliverable, submit either the Invoice 2in1, which meets the requirements for the invoice and receiving report, or the applicable invoice and receiving report, as specified by the Contracting Officer.

n/a

(Contracting Officer: Insert either "Invoice 2in1" or the applicable invoice and receiving report document type(s) for fixed price line items for services.)

(iii) For customary progress payments based on costs incurred, submit a progress payment request.

(iv) For performance based payments, submit a performance based payment request.

(v) For commercial financing, submit a commercial financing request.

(2)) Fast Pay requests are only permitted when Federal Acquisition Regulation (FAR) 52.213-1 is included in the contract.

[Note: The Contractor may use a WAWF "combo" document type to create some combinations of invoice and receiving report in one step.]

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table*

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	TBD
Issue By DoDAAC	FA2391
Admin DoDAAC	TBD
Inspect By DoDAAC	TBD
Ship To Code	TBD
Ship From Code	TBD
Mark For Code	n/a
Service Approver (DoDAAC)	TBD
Service Acceptor (DoDAAC)	TBD
Accept at Other DoDAAC	n/a
LPO DoDAAC	n/a
DCAA Auditor DoDAAC	Contractor shall utilize Look Up DCAA rom toolbar at left of WAWF screen
Other DoDAAC(s)	n/a

(*Contracting Officer: Insert applicable DoDAAC information. If multiple ship to/acceptance locations apply, insert "See Schedule" or "Not applicable.")

(**Contracting Officer: If the contract provides for progress payments or performance-based payments, insert the DoDAAC for the contract administration office assigned the functions under FAR 42.302(a)(13).)

(4) Payment request. The Contractor shall ensure a payment request includes documentation appropriate to the type of payment request in accordance with the payment clause, contract financing clause, or Federal Acquisition Regulation 52.216-7, Allowable Cost and Payment, as applicable.

(5) Receiving report. The Contractor shall ensure a receiving report meets the requirements of DFARS Appendix F.

(g) WAWF point of contact.

(1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

DCMA-ACO (TBD)

(Contracting Officer: Insert applicable information or "Not applicable.")

(2) Contact the WAWF helpdesk at 866-618-5988, if assistance is needed.

(End of clause)

252.232-7007 Limitation of Government's Obligation. (Apr 2014)

As prescribed in 232.706-70, use the following clause:

LIMITATION OF GOVERNMENT'S OBLIGATION (APR 2014)

(a) Contract line item(s) [Contracting Officer insert after negotiations] is/are incrementally funded. For this/these item(s), the sum of $ [Contracting

Officer insert after negotiations] of the total price is presently available for payment and allotted to this contract. An allotment schedule is set forth in paragraph (j) of this clause.

(b) For item(s) identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those item(s) for the Government's convenience, approximates the total amount currently allotted to the contract. The Contractor is not authorized to continue work on those item(s) beyond that point. The Government will not be obligated in any event to reimburse the Contractor in excess of the amount allotted to the contract for those item(s) regardless of anything to the contrary in the clause entitled "Termination for Convenience of the Government." As used in this clause, the total amount payable by the Government in the event of termination of applicable contract line item(s) for convenience includes costs, profit, and estimated termination settlement costs for those item(s).

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (j) of this clause, the Contractor will notify the Contracting Officer in writing at least ninety days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount then allotted to the contract for performance of the applicable item(s). The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of applicable line items up to the next scheduled date for allotment of funds identified in paragraph (j) of this clause, or to a mutually agreed upon substitute date. The notification will also advise the Contracting Officer of the estimated amount of additional funds that will be required for the timely performance of the item(s) funded pursuant to this clause, for a subsequent period as may be specified in the allotment schedule in paragraph (j) of this clause or otherwise agreed to by the parties. If after such notification additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause of this contract entitled "Termination for Convenience of the Government."

(d) When additional funds are allotted for continued performance of the contract line item(s) identified in paragraph (a) of this clause, the parties will agree as to the period of contract performance which will be covered by the funds. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and agreed substitute date, and the contract will be modified accordingly.

(e) If, solely by reason of failure of the Government to allot additional funds, by the dates indicated below, in amounts sufficient for timely performance of the contract line item(s) identified in paragraph (a) of this clause, the Contractor incurs additional costs or is delayed in the performance of the work under this contract and if additional funds are allotted, an equitable adjustment will be made in the price or prices (including appropriate target, billing, and ceiling prices where applicable) of the item(s), or in the time of delivery, or both. Failure to agree to any such equitable adjustment hereunder will be a dispute concerning a question of fact within the meaning of the clause entitled "Disputes."

(f) The Government may at any time prior to termination allot additional funds for the performance of the contract line item(s) identified in paragraph (a) of this clause.

(g) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default." The provisions of this clause are limited to the work and allotment of funds for the contract line item(s) set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded except with regard to the rights or obligations of the parties concerning equitable adjustments negotiated under paragraphs (d) and (e) of this clause.

(h) Nothing in this clause affects the right of the Government to terminate this contract pursuant to the clause of this contract entitled "Termination for Convenience of the Government."

(i) Nothing in this clause shall be construed as authorization of voluntary services whose acceptance is otherwise prohibited under 31 U.S.C. 1342.

(j) The parties contemplate that the Government will allot funds to this contract in accordance with the following schedule:

On execution of contract	$ TBD
(month) (day), (year)	$ TBD
(month) (day), (year)	$ TBD
(month) (day), (year)	$ TBD (applies only to FIrm-Fixed-Price CLIN(s))

(End of clause)

Section H - Special Contract Requirements

H0023 Air Force Research Laboratory - Wright Research Site Security Requirements (JUN 2023)

(a) *Definitions.* As used in this clause -

Air Force Research Laboratory (AFRL)-managed facilities means-

(1) AFRL buildings, areas, test facilities, and laboratories located at the AFRL Wright Research Site, Wright-Patterson Air Force Base (WPAFB), Ohio;

(2) Buildings owned or facility space leased by the AFRL Wright Research Site, whether for single or multi-tenant occupancy, and its grounds and approaches, all or any portion of which is under the jurisdiction, custody, or control of the AFRL Wright Research Site;

(3) Commercial space managed by the AFRL Wright Research Site that is shared with non-government tenants. For example, if the AFRL Wright Research Site leased the 10th floor of a commercial building, the directive applies to the 10th floor only;

(4) Contractor-operated facilities owned by the AFRL Wright Research Site, including laboratories engaged in national defense research and production activities.

Augmented reality (AR) device means a device that is capable of, or assists in, augmented reality by enhancing or creating digital overlays. AR is used to enhance natural environments or situations and offers perceptually enriched and interactive experiences achieved through digital visual elements, sounds, and other sensory stimuli via holographic technology. Examples include, but are not limited to, hardware components such as display sensors, computers, projectors, input devices, mobile devices, eyewear, wireless communication devices, and cameras.

Data storage device means computer hardware used to remember/store data. Examples include, but are not limited to, remote or autonomous drones, CDs, DVDs, Blue-Rays, USB flash drives, jump/stick/pen drives, external hard drives, solid state drives, cloud storage, mainframes, laptops, desktops, and flop disks.

Formal investigation means the process of investigation ordered by a competent U.S. Government authority that involves the questioning of involved parties and gathering of data with the intent to determine if classified or controlled unclassified information (CUI)was lost, compromised, suspected to be compromised, or not compromised at all.

Personal means items that are owned by an individual, person, or private entity and not provided for use under this contract by the U.S. Government.

Physical computer network means interconnected computing devices of any kind that can exchange data and share resources or communicate with other types of devices to execute operations or store information of any kind.

Security Incident Investigation (SII) means a formal investigation that occurs when there is a known or suspected loss of national security information (NSI) or CUI. U.S. Government security personnel conduct SIIs to (1) determine the circumstances surrounding an actual or potential compromise of NSI or CUI; (2) ascertain individual responsibility; (3) notify outside stakeholders, when necessary; and (4) make recommendations to prevent similar occurrences in the future.

Virtual device means a device with no associated hardware. A virtual device mimics a physical hardware device when, in fact, it exists only in software form. Therefore, the device makes the system believe that a particular hardware exists when in reality it does not. Examples include, but are not limited to, a computer, tablet, or smartphone that is simulated in a computer.

(b) *Prohibition.* The following is prohibited within AFRL-managed facilities, except when explicitly authorized by a U.S. Government contract:

(1) Prohibited activities -

a. Photography

b. Videography

c. Live Streaming

d. Recordings of any kind (e.g., audio)

(2) Prohibited personal networks and devices -

a. AR devices

b. Virtual devices

c. Wi-Fi networks

d. Physical computer networks

e. Data storage devices

(c) *Waivers*. A request for a waiver to the prohibitions outlined in paragraph (b) shall be submitted in writing to the Government Program Manager/Contracting Officer's Representative (COR) for internal Government coordination and approval. If a waiver request is granted, written approval shall be provided by the cognizant AFRL Operations Security (OPSEC) coordinator and Security Chief. The specific format for a waiver request will be provided upon request to the Government Program Manager/COR.

(d) *Incident Reporting Requirement.* If the contractor discovers a prohibited activity identified in paragraph (b)(1) has occurred within an AFRL-managed facility and/or a prohibited personal network or device identified in paragraph (b)(2) has been brought into an AFRL-managed facility without a valid waiver, as specified in paragraph (c), the incident shall be immediately reported in writing to the Government Program Manager /COR with a courtesy copy to the Contracting Officer.

(e) *Violations.* If a violation of this clause occurs or is suspected to have occurred, the cognizant AFRL security organization will lead and conduct a formal investigation. If a violation or suspected violation may involve classified material, the cognizant AFRL security organization will lead and conduct a Security Incident Investigation (SII).Depending on the outcome of the investigation and the information involved, penalties for violations can range from a written warning to removal from the AFRL-managed facility and/or installation. Violations and potential penalties will be governed by the applicable contract clause(s), law(s), or regulation(s).

(f) *Subcontracts.* The contractor shall include this clause in all subcontracts or similar contractual instruments/agreements relating to work performed under this contract.

(End of clause)

Section I - Contract Clauses

FAR 52.217-7, *Option for Increased Quantity--Separately Priced Line Item* (MAR 1989)

The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor within ____ [insert in the clause the period of time in which the Contracting Officer has to exercise the option]. Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

(End of clause)

FAR Clauses Incorporated by Reference

Number	Title	Effective Date	Alternate/ Deviation	Variation Effective Date
52.202-1	Definitions.	Jun 2020		
52.203-3	Gratuities.	Apr 1984		
52.203-5	Covenant Against Contingent Fees.	May 2014		
52.203-6	Restrictions on Subcontractor Sales to the Government.	Jun 2020		
52.203-7	Anti-Kickback Procedures.	Jun 2020		
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity.	May 2014		
52.203-10	Price or Fee Adjustment for Illegal or Improper Activity.	May 2014		
52.203-12	Limitation on Payments to Influence Certain Federal Transactions.	Jun 2020		
52.203-13	Contractor Code of Business Ethics and Conduct.	Nov 2021		
52.203-15	Whistleblower Protections Under the American Recovery and Reinvestment Act of 2009.	Jun 2010		
52.203-16	Preventing Personal Conflicts of Interest.	Jun 2020		
52.203-19	Prohibition on Requiring Certain Internal Confidentiality Agreements or Statements.	Jan 2017		
52.204-2	Security Requirements. (Alternate I)	Mar 2021	Alternate I	Apr 1984
52.204-4	Printed or Copied Double-Sided on Postconsumer Fiber Content Paper.	May 2011		
52.204-9	Personal Identity Verification of Contractor Personnel.	Jan 2011		
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards.	Jun 2020		
52.204-12	Unique Entity Identifier Maintenance.	Oct 2016		
52.204-13	System for Award Management Maintenance.	Oct 2018		
52.204-18	Commercial and Government Entity Code Maintenance.	Aug 2020		
52.204-19	Incorporation by Reference of Representations and Certifications.	Dec 2014		
52.204-21	Basic Safeguarding of Covered Contractor Information Systems.	Nov 2021		
52.204-23	Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab Covered Entities.	Dec 2023		
52.204-25	Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.	Nov 2021		
52.204-27	Prohibition on a ByteDance Covered Application.	Jun 2023		
52.209-6	Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment.	Nov 2021		
52.209-9	Updates of Publicly Available Information Regarding Responsibility Matters.	Oct 2018		
52.209-10	Prohibition on Contracting with Inverted Domestic Corporations.	Nov 2015		
52.210-1	Market Research.	Nov 2021		
52.211-5	Material Requirements.	Aug 2000		
52.211-15	Defense Priority and Allocation Requirements.	Apr 2008		
52.215-2	Audit and Records-Negotiation.	Jun 2020		
52.215-8	Order of Precedence-Uniform Contract Format.	Oct 1997		
52.215-10	Price Reduction for Defective Certified Cost or Pricing Data.	Aug 2011		
52.215-11	Price Reduction for Defective Certified Cost or Pricing Data -- Modifications (DEVIATION 2022-O0001)	Jun 2020	Deviation 2022-O0001	Oct 2021
52.215-12	Subcontractor Certified Cost or Pricing Data (DEVIATION 2022-O0001)	Jun 2020	Deviation 2022-O0001	Oct 2021
52.215-13	Subcontractor Certified Cost or Pricing Data -- Modifications (Deviation 2022-O0001)	Jun 2020	Deviation 2022-O0001	Oct 2021
52.215-14	Integrity of Unit Prices.	Nov 2021		
52.215-14	Integrity of Unit Prices. (Alternate I)	Nov 2021	Alternate I	Oct 1997
52.215-15	Pension Adjustments and Asset Reversions.	Oct 2010		
52.215-17	Waiver of Facilities Capital Cost of Money.	Oct 1997		
52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other Than Pensions.	Jul 2005		
52.215-19	Notification of Ownership Changes.	Oct 1997		
	Requirements for Certified Cost or Pricing Data and Data Other Than Certified			

52.215-21	Cost or Pricing Data-Modifications.	Nov 2021		
52.215-23	Limitations on Pass-Through Charges.	Jun 2020		
52.215-23	Limitations on Pass-Through Charges. (Alternate I)	Jun 2020	Alternate I	Oct 2009
52.216-7	Allowable Cost and Payment. (Alternate II)	Aug 2018	Alternate II	Aug 2012
52.216-8	Fixed Fee.	Jun 2011		
52.216-11	Cost Contract-No Fee.	Apr 1984		
52.216-11	Cost Contract-No Fee. (Alternate I)	Apr 1984	Alternate I	Apr 1984
52.216-12	Cost-Sharing Contract-No Fee.	Apr 1984		
52.216-12	Cost-Sharing Contract-No Fee. (Alternate I)	Apr 1984	Alternate I	Apr 1984
52.217-2	Cancellation Under Multi-year Contracts.	Oct 1997		
52.219-8	Utilization of Small Business Concerns.	Feb 2024		
52.219-9	Small Business Subcontracting Plan.	Sep 2023		
52.219-9	Small Business Subcontracting Plan. (Alternate II)	Sep 2023	Alternate II	Nov 2016
52.219-16	Liquidated Damages-Subcontracting Plan.	Sep 2021		
52.222-3	Convict Labor.	Jun 2003		
52.222-21	Prohibition of Segregated Facilities.	Apr 2015		
52.222-26	Equal Opportunity.	Sep 2016		
52.222-35	Equal Opportunity for Veterans.	Jun 2020		
52.222-36	Equal Opportunity for Workers with Disabilities.	Jun 2020		
52.222-37	Employment Reports on Veterans.	Jun 2020		
52.222-41	Service Contract Labor Standards.	Aug 2018		
52.222-50	Combating Trafficking in Persons.	Nov 2021		
52.222-54	Employment Eligibility Verification.	May 2022		
52.222-55	Minimum Wages for Contractor Workers Under Executive Order 14026.	Jan 2022		
52.222-62	Paid Sick Leave Under Executive Order 13706.	Jan 2022		
52.223-5	Pollution Prevention and Right-to-Know Information.	May 2011		
52.223-5	Pollution Prevention and Right-to-Know Information. (Alternate I)	May 2011	Alternate I	May 2011
52.223-5	Pollution Prevention and Right-to-Know Information. (Alternate II)	May 2011	Alternate II	May 2011
52.223-6	Drug-Free Workplace.	May 2001		
52.223-10	Waste Reduction Program.	May 2011		
52.223-15	Energy Efficiency in Energy-Consuming Products.	May 2020		
52.223-18	Encouraging Contractor Policies to Ban Text Messaging While Driving.	Jun 2020		
52.223-20	Aerosols.	Jun 2016		
52.223-21	Foams.	Jun 2016		
52.225-13	Restrictions on Certain Foreign Purchases.	Feb 2021		
52.227-1	Authorization and Consent. (Alternate I)	Jun 2020	Alternate I	Apr 1984
52.227-2	Notice and Assistance Regarding Patent and Copyright Infringement.	Jun 2020		
52.227-10	Filing of Patent Applications-Classified Subject Matter.	Dec 2007		
52.228-5	Insurance-Work on a Government Installation.	Jan 1997		
52.228-7	Insurance-Liability to Third Persons.	Mar 1996		
52.229-3	Federal, State, and Local Taxes.	Feb 2013		
52.230-2	Cost Accounting Standards.	Jun 2020		
52.230-3	Disclosure and Consistency of Cost Accounting Practices.	Jun 2020		
52.230-5	Cost Accounting Standards-Educational Institution.	Jun 2020		
52.230-6	Administration of Cost Accounting Standards.	Jun 2010		
52.232-16	Progress Payments. (Alternate I)	Nov 2021	Alternate I	Mar 2000
52.232-17	Interest.	May 2014		
52.232-18	Availability of Funds.	Apr 1984		
52.232-20	Limitation of Cost.	Apr 1984		
52.232-22	Limitation of Funds.	Apr 1984		
52.232-23	Assignment of Claims.	May 2014		
52.232-23	Assignment of Claims. (Alternate I)	May 2014	Alternate I	Apr 1984
52.232-25	Prompt Payment. (Alternate I)	Jan 2017	Alternate I	Feb 2002
52.232-33	Payment by Electronic Funds Transfer-System for Award Management.	Oct 2018		
52.232-39	Unenforceability of Unauthorized Obligations.	Jun 2013		
52.232-40	Providing Accelerated Payments to Small Business Subcontractors.	Mar 2023		
52.233-1	Disputes.	May 2014		
52.233-3	Protest after Award.	Aug 1996		
52.233-3	Protest after Award. (Alternate I)	Aug 1996	Alternate I	Jun 1985
52.233-4	Applicable Law for Breach of Contract Claim.	Oct 2004		
52.237-2	Protection of Government Buildings, Equipment, and Vegetation.	Apr 1984		
52.242-1	Notice of Intent to Disallow Costs.	Apr 1984		
52.242-3	Penalties for Unallowable Costs.	Dec 2022		
52.242-5	Payments to Small Business Subcontractors.	Jan 2017		
52.242-13	Bankruptcy.	Jul 1995		
52.243-1	Changes-Fixed-Price. (Alternate V)	Aug 1987	Alternate V	Apr 1984
52.243-2	Changes-Cost-Reimbursement.	Aug 1987		
52.243-2	Changes-Cost-Reimbursement. (Alternate V)	Aug 1987	Alternate V	Apr 1984
52.243-3	Changes-Time-and-Materials or Labor-Hours.	Sep 2000		
52.244-2	Subcontracts. (Alternate I)	Jun 2020	Alternate I	Jun 2020
52.244-5	Competition in Subcontracting.	Dec 1996		
52.244-6	Subcontracts for Commercial Products and Commercial Services.	Feb 2024		

52.245-1	Government Property.	Sep 2021		
52.245-1	Government Property. (Alternate II)	Sep 2021	Alternate II	Apr 2012
52.245-9	Use and Charges.	Apr 2012		
52.246-23	Limitation of Liability.	Feb 1997		
52.246-24	Limitation of Liability-High-Value Items. (Alternate I)	Feb 1997	Alternate I	Apr 1984
52.246-25	Limitation of Liability-Services.	Feb 1997		
52.246-26	Reporting Nonconforming Items.	Nov 2021		
52.249-2	Termination for Convenience of the Government (Fixed-Price).	Apr 2012		
52.249-5	Termination for Convenience of the Government (Educational and Other Nonprofit Institutions).	Aug 2016		
52.249-6	Termination (Cost-Reimbursement).	May 2004		
52.249-9	Default (Fixed-Price Research and Development).	Apr 1984		
52.249-14	Excusable Delays.	Apr 1984		
52.253-1	Computer Generated Forms.	Jan 1991		

DFARS Clauses Incorporated by Reference

Number	Title	Effective Date	Alternate/ Deviation	Variation Effective Date
252.203-7000	Requirements Relating to Compensation of Former DoD Officials.	Sep 2011		
252.203-7001	Prohibition on Persons Convicted of Fraud or Other Defense-Contract-Related Felonies.	Jan 2023		
252.203-7002	Requirement to Inform Employees of Whistleblower Rights.	Dec 2022		
252.203-7003	Agency Office of the Inspector General.	Aug 2019		
252.203-7004	Display of Hotline Posters.	Jan 2023		
252.204-7000	Disclosure of Information.	Oct 2016		
252.204-7003	Control of Government Personnel Work Product.	Apr 1992		
252.204-7004	Antiterrorism Awareness Training for Contractors.	Jan 2023		
252.204-7012	Safeguarding Covered Defense Information and Cyber Incident Reporting. (DEVIATION 2024-O0013)	Jan 2023	Deviation 2024-O0013	May 2024
252.204-7015	Notice of Authorized Disclosure of Information for Litigation Support.	Jan 2023		
252.204-7018	Prohibition on the Acquisition of Covered Defense Telecommunications Equipment or Services.	Jan 2023		
252.204-7020	NIST SP 800-171 DoD Assessment Requirements.	Nov 2023		
252.204-7021	Contractor Compliance with the Cybersecurity Maturity Model Certification Level Requirement.	Jan 2023		
252.204-7022	Expediting Contract Closeout.	May 2021		
252.205-7000	Provision of Information to Cooperative Agreement Holders.	Jun 2023		
252.209-7004	Subcontracting with Firms that are Owned or Controlled by the Government of a Country that is a State Sponsor of Terrorism.	May 2019		
252.211-7008	Use of Government-Assigned Serial Numbers.	Sep 2010		
252.215-7002	Cost Estimating System Requirements.	Dec 2012		
252.216-7004	Award Fee Reduction or Denial for Jeopardizing the Health or Safety of Government Personnel.	Sep 2011		
252.216-7010	Postaward Debriefings for Task Orders and Delivery Orders.	Dec 2022		
252.219-7003	Small Business Subcontracting Plan (DoD Contracts).	Dec 2019		
252.219-7004	Small Business Subcontracting Plan (Test Program).	Dec 2022		
252.222-7006	Restrictions on the Use of Mandatory Arbitration Agreements.	Jan 2023		
252.223-7004	Drug-Free Work Force.	Sep 1988		
252.223-7006	Prohibition on Storage, Treatment, and Disposal of Toxic or Hazardous Materials.	Sep 2014		
252.223-7008	Prohibition of Hexavalent Chromium.	Jan 2023		
252.225-7001	Buy American and Balance of Payments Program.	Feb 2024		
252.225-7007	Prohibition on Acquisition of Certain Items from Communist Chinese Military Companies.	Dec 2018		
252.225-7008	Restriction on Acquisition of Specialty Metals.	Mar 2013		
252.225-7009	Restriction on Acquisition of Certain Articles Containing Specialty Metals.	Jan 2023		
252.225-7012	Preference for Certain Domestic Commodities.	Apr 2022		
252.225-7013	Duty-Free Entry.	Nov 2023		
252.225-7016	Restriction on Acquisition of Ball and Roller Bearings.	Jan 2023		
252.225-7030	Restriction on Acquisition of Carbon, Alloy, and Armor Steel Plate.	Dec 2006		
252.225-7048	Export-Controlled Items.	Jun 2013		
252.225-7052	Restriction on the Acquisition of Certain Magnets, Tantalum, and Tungsten.	Jan 2023		
252.225-7056	Prohibition Regarding Business Operations with the Maduro Regime.	Jan 2023		
252.225-7058	Postaward Disclosure of Employment of Individuals Who Work in the People's Republic of China.	Jan 2023		
252.226-7001	Utilization of Indian Organizations, Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns.	Jan 2023		
252.227-7013	Rights in Technical Data-Other Than Commercial Products and Commercial Services.	Mar 2023		
	Rights in Other Than Commercial Computer Software and Other Than			

252.227-7014	Commercial Computer Software Documentation.	Mar 2023		
252.227-7016	Rights in Bid or Proposal Information.	Jan 2023		
252.227-7019	Validation of Asserted Restrictions--Computer Software.	Jan 2023		
252.227-7025	Limitations on the Use or Disclosure of Government-Furnished Information Marked With Restrictive Legends	Jan 2023		
252.227-7030	Technical Data--Withholding of Payment.	Mar 2000		
252.227-7037	Validation of Restrictive Markings on Technical Data.	Jan 2023		
252.227-7038	Patent Rights-Ownership by the Contractor (Large Business)	Jun 2012		
252.227-7039	Patents--Reporting of Subject Inventions.	Apr 1990		
252.232-7004	DoD Progress Payment Rates.	Oct 2014		
252.232-7010	Levies on Contract Payments.	Dec 2006		
252.235-7011	Final Scientific or Technical Report.	Dec 2019		
252.237-7010	Prohibition on Interrogation of Detainees by Contractor Personnel.	Jan 2023		
252.239-7018	Supply Chain Risk.	Dec 2022		
252.242-7004	Material Management and Accounting System.	May 2011		
252.242-7005	Contractor Business Systems.	Feb 2012		
252.242-7006	Accounting System Administration.	Feb 2012		
252.243-7001	Pricing of Contract Modifications.	Dec 1991		
252.243-7002	Requests for Equitable Adjustment.	Dec 2022		
252.244-7000	Subcontracts for Commercial Products or Commercial Services.	Nov 2023		
252.244-7001	Contractor Purchasing System Administration.	May 2014		
252.244-7001	Contractor Purchasing System Administration. (Alternate I)	May 2014	Alternate I	May 2014
252.245-7003	Contractor Property Management System Administration	Apr 2012		
252.245-7005	Management and Reporting of Government Property.	Jan 2024		
252.246-7003	Notification of Potential Safety Issues.	Jan 2023		
252.246-7004	Safety of Facilities, Infrastructure, and Equipment for Military Operations.	Oct 2010		
252.246-7006	Warranty Tracking of Serialized Items.	Mar 2016		
252.246-7007	Contractor Counterfeit Electronic Part Detection and Avoidance System.	Jan 2023		
252.246-7008	Sources of Electronic Parts.	Jan 2023		

FAR Clauses Incorporated by Full Text

52.204-2 Security Requirements. (Mar 2021)

As prescribed in 4.404(a), insert the following clause:

Security Requirements (Mar 2021)

(a) This clause applies to the extent that this contract involves access to information classified "Confidential," "Secret," or "Top Secret."

(b) The Contractor shall comply with-

(1) The Security Agreement DD Form441), including the National Industrial Security Program Operating Manual (32 CFR part 117); and

(2) Any revisions to that manual, notice of which has been furnished to the Contractor.

(c) If, subsequent to the date of this contract, the security classification or security requirements under this contract are changed by the Government and if the changes cause an increase or decrease in security costs or otherwise affect any other term or condition of this contract, the contract shall be subject to an equitable adjustment as if the changes were directed under the Changes clause of this contract.

(d) The Contractor agrees to insert terms that conform substantially to the language of this clause, including this paragraph (d) but excluding any reference to the Changes clause of this contract, in all subcontracts under this contract that involve access to classified information.

(End of clause)

52.216-7 Allowable Cost and Payment. (Aug 2018)

As prescribed in 16.307(a), insert the following clause:

Allowable Cost and Payment (Aug 2018)

(a) Invoicing.

(1) The Government will make payments to the Contractor when requested as work progresses, but (except for small business concerns) not more often than once every 2 weeks, in amounts determined to be allowable by the Contracting Officer in accordance with Federal Acquisition Regulation (FAR) subpart 31.2 in effect on the date of this contract and the terms of this contract. The Contractor may submit to an authorized representative of the Contracting Officer, in such form and reasonable detail as the representative may require, an invoice or voucher supported by a statement of the

claimed allowable cost for performing this contract.

(2) Contract financing payments are not subject to the interest penalty provisions of the Prompt Payment Act. Interim payments made prior to the final payment under the contract are contract financing payments, except interim payments if this contract contains Alternate I to the clause at 52.232-25.

(3) The designated payment office will make interim payments for contract financing on the 30th (applies only to Cost Plus Fixed-Fee CLIN(s), Cost CLIN(s), and/or Cost-Sharing CLIN(s))[Contracting Officer insert day as prescribed by agency head; if not prescribed, insert "30th"] day after the designated billing office receives a proper payment request. In the event that the Government requires an audit or other review of a specific payment request to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make payment by the specified due date.

(b) Reimbursing costs.

(1) For the purpose of reimbursing allowable costs (except as provided in paragraph (b)(2) of this clause, with respect to pension, deferred profit sharing, and employee stock ownership plan contributions), the term "costs" includes only-

(i) Those recorded costs that, at the time of the request for reimbursement, the Contractor has paid by cash, check, or other form of actual payment for items or services purchased directly for the contract;

(ii) When the Contractor is not delinquent in paying costs of contract performance in the ordinary course of business, costs incurred, but not necessarily paid, for-

(A) Supplies and services purchased directly for the contract and associated financing payments to subcontractors, provided payments determined due will be made-

(1) In accordance with the terms and conditions of a subcontract or invoice; and

(2) Ordinarily within 30 days of the submission of the Contractor##s payment request to the Government;

(B) Materials issued from the Contractor's inventory and placed in the production process for use on the contract;

(C) Direct labor;

(D) Direct travel;

(E) Other direct in-house costs; and

(F) Properly allocable and allowable indirect costs, as shown in the records maintained by the Contractor for purposes of obtaining reimbursement under Government contracts; and

(iii) The amount of financing payments that have been paid by cash, check, or other forms of payment to subcontractors.

(2) Accrued costs of Contractor contributions under employee pension plans shall be excluded until actually paid unless-

(i) The Contractor's practice is to make contributions to the retirement fund quarterly or more frequently; and

(ii) The contribution does not remain unpaid 30 days after the end of the applicable quarter or shorter payment period (any contribution remaining unpaid shall be excluded from the Contractor's indirect costs for payment purposes).

(3) Notwithstanding the audit and adjustment of invoices or vouchers under paragraph (g) of this clause, allowable indirect costs under this contract shall be obtained by applying indirect cost rates established in accordance with paragraph (d) of this clause.

(4) Any statements in specifications or other documents incorporated in this contract by reference designating performance of services or furnishing of materials at the Contractor's expense or at no cost to the Government shall be disregarded for purposes of cost-reimbursement under this clause.

(c) Small business concerns. A small business concern may receive more frequent payments than every 2 weeks.

(d) Final indirect cost rates.

(1) Final annual indirect cost rates and the appropriate bases shall be established in accordance with subpart 42.7 of the Federal Acquisition Regulation (FAR) in effect for the period covered by the indirect cost rate proposal.

(2)

(i) The Contractor shall submit an adequate final indirect cost rate proposal to the Contracting Officer (or cognizant Federal agency official) and

auditor within the 6-month period following the expiration of each of its fiscal years. Reasonable extensions, for exceptional circumstances only, may be requested in writing by the Contractor and granted in writing by the Contracting Officer. The Contractor shall support its proposal with adequate supporting data.

(ii) The proposed rates shall be based on the Contractor's actual cost experience for that period. The appropriate Government representative and the Contractor shall establish the final indirect cost rates as promptly as practical after receipt of the Contractor's proposal.

(iii) An adequate indirect cost rate proposal shall include the following data unless otherwise specified by the cognizant Federal agency official:

(A) Summary of all claimed indirect expense rates, including pool, base, and calculated indirect rate.

(B) General and Administrative expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts).

(C) Overhead expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) for each final indirect cost pool.

(D) Occupancy expenses (intermediate indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) and expense reallocation to final indirect cost pools.

(E) Claimed allocation bases, by element of cost, used to distribute indirect costs.

(F) Facilities capital cost of money factors computation.

(G) Reconciliation of books of account (i.e., General Ledger) and claimed direct costs by major cost element.

(H) Schedule of direct costs by contract and subcontract and indirect expense applied at claimed rates, as well as a subsidiary schedule of Government participation percentages in each of the allocation base amounts.

(I) Schedule of cumulative direct and indirect costs claimed and billed by contract and subcontract.

(J) Subcontract information. Listing of subcontracts awarded to companies for which the contractor is the prime or upper-tier contractor (include prime and subcontract numbers; subcontract value and award type; amount claimed during the fiscal year; and the subcontractor name, address, and point of contact information).

(K) Summary of each time-and-materials and labor-hour contract information, including labor categories, labor rates, hours, and amounts; direct materials; other direct costs; and, indirect expense applied at claimed rates.

(L) Reconciliation of total payroll per IRS form 941 to total labor costs distribution.

(M) Listing of decisions/agreements/approvals and description of accounting/organizational changes.

(N) Certificate of final indirect costs (see 52.242-4, Certification of Final Indirect Costs).

(O) Contract closing information for contracts physically completed in this fiscal year (include contract number, period of performance, contract ceiling amounts, contract fee computations, level of effort, and indicate if the contract is ready to close).

(iv) The following supplemental information is not required to determine if a proposal is adequate, but may be required during the audit process:

(A) Comparative analysis of indirect expense pools detailed by account to prior fiscal year and budgetary data.

(B) General organizational information and limitation on allowability of compensation for certain contractor personnel. See 31.205-6(p). Additional salary reference information is available at https://www.whitehouse.gov/wp-content/uploads/2017/11 /ContractorCompensationCapContractsAwardedBeforeJune24.pdf and https://www.whitehouse.gov/wp-content/uploads/2017/11 /ContractorCompensationCapContractsAwardedafterJune24.pdf.

(C) Identification of prime contracts under which the contractor performs as a subcontractor.

(D) Description of accounting system (excludes contractors required to submit a CAS Disclosure Statement or contractors where the description of the accounting system has not changed from the previous year's submission).

(E) Procedures for identifying and excluding unallowable costs from the costs claimed and billed (excludes contractors where the procedures have not changed from the previous year's submission).

(F) Certified financial statements and other financial data (e.g., trial balance, compilation, review, etc.).

(G) Management letter from outside CPAs concerning any internal control weaknesses.

(H) Actions that have been and/or will be implemented to correct the weaknesses described in the management letter from subparagraph (G) of this section.

(I) List of all internal audit reports issued since the last disclosure of internal audit reports to the Government.

(J) Annual internal audit plan of scheduled audits to be performed in the fiscal year when the final indirect cost rate submission is made.

(K) Federal and State income tax returns.

(L) Securities and Exchange Commission 10-K annual report.

(M) Minutes from board of directors meetings.

(N) Listing of delay claims and termination claims submitted which contain costs relating to the subject fiscal year.

(O) Contract briefings, which generally include a synopsis of all pertinent contract provisions, such as: contract type, contract amount, product or service(s) to be provided, contract performance period, rate ceilings, advance approval requirements, pre-contract cost allowability limitations, and billing limitations.

(v) The Contractor shall update the billings on all contracts to reflect the final settled rates and update the schedule of cumulative direct and indirect costs claimed and billed, as required in paragraph (d)(2)(iii)(I) of this section, within 60 days after settlement of final indirect cost rates.

(3) The Contractor and the appropriate Government representative shall execute a written understanding setting forth the final indirect cost rates. The understanding shall specify (i) the agreed-upon final annual indirect cost rates, (ii) the bases to which the rates apply, (iii) the periods for which the rates apply, (iv) any specific indirect cost items treated as direct costs in the settlement, and (v) the affected contract and/or subcontract, identifying any with advance agreements or special terms and the applicable rates. The understanding shall not change any monetary ceiling, contract obligation, or specific cost allowance or disallowance provided for in this contract. The understanding is incorporated into this contract upon execution.

(4) Failure by the parties to agree on a final annual indirect cost rate shall be a dispute within the meaning of the Disputes clause.

(5) Within 120 days (or longer period if approved in writing by the Contracting Officer) after settlement of the final annual indirect cost rates for all years of a physically complete contract, the Contractor shall submit a completion invoice or voucher to reflect the settled amounts and rates. The completion invoice or voucher shall include settled subcontract amounts and rates. The prime contractor is responsible for settling subcontractor amounts and rates included in the completion invoice or voucher and providing status of subcontractor audits to the contracting officer upon request.

(6)

(i) If the Contractor fails to submit a completion invoice or voucher within the time specified in paragraph (d)(5) of this clause, the Contracting Officer may-

(A) Determine the amounts due to the Contractor under the contract; and

(B) Record this determination in a unilateral modification to the contract.

(ii) This determination constitutes the final decision of the Contracting Officer in accordance with the Disputes clause.

(e) Billing rates. Until final annual indirect cost rates are established for any period, the Government shall reimburse the Contractor at billing rates established by the Contracting Officer or by an authorized representative (the cognizant auditor), subject to adjustment when the final rates are established. These billing rates-

(1) Shall be the anticipated final rates; and

(2) May be prospectively or retroactively revised by mutual agreement, at either party's request, to prevent substantial overpayment or underpayment.

(f) Quick-closeout procedures. Quick-closeout procedures are applicable when the conditions in FAR 42.708(a) are satisfied.

(g) Audit. At any time or times before final payment, the Contracting Officer may have the Contractor's invoices or vouchers and statements of cost audited. Any payment may be-

(1) Reduced by amounts found by the Contracting Officer not to constitute allowable costs; or

(2) Adjusted for prior overpayments or underpayments.

(h) Final payment.

(1) Upon approval of a completion invoice or voucher submitted by the Contractor in accordance with paragraph (d)(5) of this clause, and upon the Contractor's compliance with all terms of this contract, the Government shall promptly pay any balance of allowable costs and that part of the fee (if any) not previously paid.

(2) The Contractor shall pay to the Government any refunds, rebates, credits, or other amounts (including interest, if any) accruing to or received by the Contractor or any assignee under this contract, to the extent that those amounts are properly allocable to costs for which the Contractor has been reimbursed by the Government. Reasonable expenses incurred by the Contractor for securing refunds, rebates, credits, or other amounts shall be

allowable costs if approved by the Contracting Officer. Before final payment under this contract, the Contractor and each assignee whose assignment is in effect at the time of final payment shall execute and deliver-

(i) An assignment to the Government, in form and substance satisfactory to the Contracting Officer, of refunds, rebates, credits, or other amounts (including interest, if any) properly allocable to costs for which the Contractor has been reimbursed by the Government under this contract; and

(ii) A release discharging the Government, its officers, agents, and employees from all liabilities, obligations, and claims arising out of or under this contract, except-

(A) Specified claims stated in exact amounts, or in estimated amounts when the exact amounts are not known;

(B) Claims (including reasonable incidental expenses) based upon liabilities of the Contractor to third parties arising out of the performance of this contract; provided, that the claims are not known to the Contractor on the date of the execution of the release, and that the Contractor gives notice of the claims in writing to the Contracting Officer within 6 years following the release date or notice of final payment date, whichever is earlier; and

(C) Claims for reimbursement of costs, including reasonable incidental expenses, incurred by the Contractor under the patent clauses of this contract, excluding, however, any expenses arising from the Contractor's indemnification of the Government against patent liability.

(End of clause)

52.216-10 Incentive Fee. (Jun 2011)

As prescribed in 16.307(d), insert the following clause:

Incentive Fee (Jun 2011)

(a) General. The Government shall pay the Contractor for performing this contract a fee determined as provided in this contract.

(b) Target cost and target fee. The target cost and target fee specified in the Schedule are subject to adjustment if the contract is modified in accordance with paragraph (d) of this clause.

(1) "Target cost," as used in this contract, means the estimated cost of this contract as initially negotiated, adjusted in accordance with paragraph (d) of this clause.

(2) "Target fee," as used in this contract, means the fee initially negotiated on the assumption that this contract would be performed for a cost equal to the estimated cost initially negotiated, adjusted in accordance with paragraph (d) of this clause.

(c) Withholding of payment.

(1) Normally, the Government shall pay the fee to the Contractor as specified in the Schedule. However, when the Contracting Officer considers that performance or cost indicates that the Contractor will not achieve target, the Government shall pay on the basis of an appropriate lesser fee. When the Contractor demonstrates that performance or cost clearly indicates that the Contractor will earn a fee significantly above the target fee, the Government may, at the sole discretion of the Contracting Officer, pay on the basis of an appropriate higher fee.

(2) Payment of the incentive fee shall be made as specified in the Schedule; provided that the Contracting Officer withholds a reserve not to exceed 15 percent of the total incentive fee or $100,000, whichever is less, to protect the Government's interest. The Contracting Officer shall release 75 percent of all fee withholds under this contract after receipt of an adequate certified final indirect cost rate proposal covering the year of physical completion of this contract, provided the Contractor has satisfied all other contract terms and conditions, including the submission of the final patent and royalty reports, and is not delinquent in submitting final vouchers on prior years' settlements. The Contracting Officer may release up to 90 percent of the fee withholds under this contract based on the Contractor's past performance related to the submission and settlement of final indirect cost rate proposals.

(d) Equitable adjustments. When the work under this contract is increased or decreased by a modification to this contract or when any equitable adjustment in the target cost is authorized under any other clause, equitable adjustments in the target cost, target fee, minimum fee, and maximum fee, as appropriate, shall be stated in a supplemental agreement to this contract.

(e) Fee payable.

(1) The fee payable under this contract shall be the target fee increased by TBD[Contracting Officer insert Contractor's participation] cents for every dollar that the total allowable cost is less than the target cost or decreased by TBD[Contracting Officer insert Contractor's participation] cents for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than TBD[Contracting Officer insert percentage] percent or less thanTBD[Contracting Officer insert percentage] percent of the target cost.

(2) The fee shall be subject to adjustment, to the extent provided in paragraph (d) of this clause, and within the minimum and maximum fee limitations in paragraph (e)(1) of this clause, when the total allowable cost is increased or decreased as a consequence of-

(i) Payments made under assignments; or

(ii) Claims excepted from the release as required by paragraph (h)(2) of the Allowable Cost and Payment clause.

(3) If this contract is terminated in its entirety, the portion of the target fee payable shall not be subject to an increase or decrease as provided in this paragraph. The termination shall be accomplished in accordance with other applicable clauses of this contract.

(4) For the purpose of fee adjustment, "total allowable cost" shall not include allowable costs arising out of-

(i) Any of the causes covered by the Excusable Delays clause to the extent that they are beyond the control and without the fault or negligence of the Contractor or any subcontractor;

(ii) The taking effect, after negotiating the target cost, of a statute, court decision, written ruling, or regulation that results in the Contractor's being required to pay or bear the burden of any tax or duty or rate increase in a tax or duty;

(iii) Any direct cost attributed to the Contractor's involvement in litigation as required by the Contracting Officer pursuant to a clause of this contract, including furnishing evidence and information requested pursuant to the Notice and Assistance Regarding Patent and Copyright Infringement clause;

(iv) The purchase and maintenance of additional insurance not in the target cost and required by the Contracting Officer, or claims for reimbursement for liabilities to third persons pursuant to the Insurance Liability to Third Persons clause;

(v) Any claim, loss, or damage resulting from a risk for which the Contractor has been relieved of liability by the Government Property clause; or

(vi) Any claim, loss, or damage resulting from a risk defined in the contract as unusually hazardous or as a nuclear risk and against which the Government has expressly agreed to indemnify the Contractor.

(5) All other allowable costs are included in "total allowable cost" for fee adjustment in accordance with this paragraph (e), unless otherwise specifically provided in this contract.

(f) Contract modification. The total allowable cost and the adjusted fee determined as provided in this clause shall be evidenced by a modification to this contract signed by the Contractor and Contracting Officer.

(g) Inconsistencies. In the event of any language inconsistencies between this clause and provisioning documents or Government options under this contract, compensation for spare parts or other supplies and services ordered under such documents shall be determined in accordance with this clause.

(End of clause)

52.216-18 Ordering. (Aug 2020)

As prescribed in 16.506(a), insert the following clause:

Ordering (Aug 2020)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from Time of contract award through TBD[insert dates].

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) A delivery order or task order is considered "issued" when-

(1) If sent by mail (includes transmittal by U.S. mail or private delivery service), the Government deposits the order in the mail;

(2) If sent by fax, the Government transmits the order to the Contractor's fax number; or

(3) If sent electronically, the Government either-

(i) Posts a copy of the delivery order or task order to a Government document access system, and notice is sent to the Contractor; or

(ii) Distributes the delivery order or task order via email to the Contractor's email address.

(d) Orders may be issued by methods other than those enumerated in this clause only if authorized in the contract.

(End of clause)

52.216-19 Order Limitations. (Oct 1995)

As prescribed in 16.506(b), insert a clause substantially the same as follows:

Order Limitations (Oct 1995)

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than TBD[insert dollar figure or quantity], the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor-

(1) Any order for a single item in excess of TBD[insert dollar figure or quantity];

(2) Any order for a combination of items in excess of TBD[insert dollar figure or quantity]; or

(3) A series of orders from the same ordering office within TBD days that together call for quantities exceeding the limitation in paragraph (b)(1) or (2) of this section.

(c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within TBD days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of clause)

52.216-22 Indefinite Quantity. (Oct 1995)

As prescribed in 16.506(e), insert the following clause:

Indefinite Quantity (Oct 1995)

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the "maximum." The Government shall order at least the quantity of supplies or services designated in the Schedule as the "minimum."

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after TBD[insert date].

(End of clause)

52.216-24 Limitation of Government Liability. (Apr 1984)

As prescribed in 16.603-4(b)(2), insert the following clause in solicitations and contracts when a letter contract is contemplated:

Limitation of Government Liability (Apr 1984)

(a) In performing this contract, the Contractor is not authorized to make expenditures or incur obligations exceeding 0.00 dollars.

(b) The maximum amount for which the Government shall be liable if this contract is terminated is 0.00 dollars.

(End of clause)

52.216-32 Task-Order and Delivery-Order Ombudsman. (Sep 2019)

As prescribed in 16.506(j), insert the following clause:

Task-Order and Delivery-Order Ombudsman (Sept 2019)

(a) In accordance with 41 U.S.C. 4106(g), the Agency has designated the following task-order and delivery-order Ombudsman for this contract. The Ombudsman must review complaints from the Contractor concerning all task-order and delivery-order actions for this contract and ensure the

Contractor is afforded a fair opportunity for consideration in the award of orders, consistent with the procedures in the contract. AFRL/Deputy Director, 1864 Fourth Street, Wright-Patterson AFB, OH 45433-7130, (937) 904-9700, afrl.pk.officeaccount@us.af.mil[Contracting Officer to insert name, address, telephone number, and email address for the Agency Ombudsman or provide the URL address where this information may be found.]

(b) Consulting an ombudsman does not alter or postpone the timeline for any other process (e.g., protests).

(c) Before consulting with the Ombudsman, the Contractor is encouraged to first address complaints with the Contracting Officer for resolution. When requested by the Contractor, the Ombudsman may keep the identity of the concerned party or entity confidential, unless prohibited by law or agency procedure.

(End of clause)

52.217-9 Option to Extend the Term of the Contract. (Mar 2000)

As prescribed in 17.208(g), insert a clause substantially the same as the following:

Option to Extend the Term of the Contract (Mar 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within TBD[insert the period of time within which the Contracting Officer may exercise the option]; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least TBD days[60days unless a different number of days is inserted] before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed TBD(months) (years).

(End of clause)

52.219-4 Notice of Price Evaluation Preference for HUBZone Small Business Concerns. (Oct 2022)

As prescribed in 19.1309(b), insert the following clause:

Notice of Price Evaluation preference for HUBZone Small Business Concerns (Oct 2022)

(a) Evaluation preference.

(1) Offers will be evaluated by adding a factor of 10 percent to the price of all offers, except-

(i) Offers from HUBZone small business concerns that have not waived the evaluation preference; and

(ii) Otherwise successful offers from small business concerns.

(2) The factor of 10 percent shall be applied on a line item basis or to any group of items on which award may be made. Other evaluation factors described in the solicitation shall be applied before application of the factor.

(3) When the two highest rated offerors are a HUBZone small business concern and a large business, and the evaluated offer of the HUBZone small business concern is equal to the evaluated offer of the large business after considering the price evaluation preference, award will be made to the HUBZone small business concern.

(b) Waiver of evaluation preference. A HUBZone small business concern may elect to waive the evaluation preference, in which case the factor will be added to its offer for evaluation purposes.

[ ] Offeror elects to waive the evaluation preference.

(c) Joint venture. A HUBZone joint venture agrees that, in the performance of the contract, at least 40 percent of the aggregate work performed by the joint venture shall be completed by the HUBZone small business parties to the joint venture. Work performed by the HUBZone small business parties to the joint venture must be more than administrative functions.

(End of clause)

52.219-28 Post-Award Small Business Program Rerepresentation. (Feb 2024)

As prescribed in 19.309(c)(1), insert the following clause:

Post-Award Small Business Program Rerepresentation (Feb 2024)

(a) Definitions. As used in this clause-

Long-term contract means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

Small business concern-

(1) Means a concern, including its affiliates, that is independently owned and operated, not dominant in its field of operation, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (d) of this clause.

(2) Affiliates, as used in this definition, means business concerns, one of whom directly or indirectly controls or has the power to control the others, or a third party or parties control or have the power to control the others. In determining whether affiliation exists, consideration is given to all appropriate factors including common ownership, common management, and contractual relationships. SBA determines affiliation based on the factors set forth at 13 CFR 121.103.

(b) If the Contractor represented that it was any of the small business concerns identified in 19.000(a)(3) prior to award of this contract, the Contractor shall rerepresent its size and socioeconomic status according to paragraph (f) of this clause or, if applicable, paragraph (h) of this clause, upon occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts-

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the date specified in the contract for exercising any option thereafter.

(c) If the Contractor represented that it was any of the small business concerns identified in 19.000(a)(3) prior to award of this contract, the Contractor shall rerepresent its size and socioeconomic status according to paragraph (f) of this clause or, if applicable, paragraph (h) of this clause, when the Contracting Officer explicitly requires it for an order issued under a multiple-award contract.

(d) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code(s) assigned to this contract. The small business size standard corresponding to this NAICS code(s) can be found at https://www.sba.gov/document/support--table-size-standards.

(e) The small business size standard for a Contractor providing an end item that it does not manufacture, process, or produce itself, for a contract other than a construction or service contract, is 500 employees, or 150 employees for information technology value-added resellers under NAICS code 541519, if the acquisition-

(1) Was set aside for small business and has a value above the simplified acquisition threshold;

(2) Used the HUBZone price evaluation preference regardless of dollar value, unless the Contractor waived the price evaluation preference; or

(3) Was an 8(a), HUBZone, service-disabled veteran-owned, economically disadvantaged women-owned, or women-owned small business set-aside or sole-source award regardless of dollar value.

(f) Except as provided in paragraph (h) of this clause, the Contractor shall make the representation(s) required by paragraph (b) and (c) of this clause by validating or updating all its representations in the Representations and Certifications section of the System for Award Management (SAM) and its other data in SAM, as necessary, to ensure that they reflect the Contractor's current status. The Contractor shall notify the contracting office in writing within the timeframes specified in paragraph (b) of this clause, or with its offer for an order (see paragraph (c) of this clause), that the data have been validated or updated, and provide the date of the validation or update.

(g) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (f) or (h) of this clause.

(h) If the Contractor does not have representations and certifications in SAM, or does not have a representation in SAM for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the contracting office, along with the contract number and the date on which the rerepresentation was completed:

(1) The Contractor represents that it [ ] is, [ ] is not a small business concern under ____NAICS Code assigned to ____contract number.

(2) [Complete only if the Contractor represented itself as a small business concern in paragraph (h)(1) of this clause.] The Contractor represents that it [ ] is, [ ] is not, a small disadvantaged business concern as defined in 13 CFR 124.1001.

(3) [Complete only if the Contractor represented itself as a small business concern in paragraph (h)(1) of this clause.] The Contractor represents that it [ ] is, [ ] is not a women-owned small business concern.

(4) Women-owned small business (WOSB) joint venture eligible under the WOSB Program. The Contractor represents that it [ ] is, [ ] is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [____The Contractor shall enter the name and unique entity identifier of each party to the joint venture: __.]

(5) Economically disadvantaged women-owned small business (EDWOSB) joint venture. The Contractor represents that it [ ] is, [ ] is not a joint venture that complies with the requirements of 13 CFR 127.506(a) through (c). [____The Contractor shall enter the name and unique entity identifier of each party to the joint venture: __ .]

(6) [Complete only if the Contractor represented itself as a small business concern in paragraph (h)(1) of this clause.] The Contractor represents that it [ ] is, [ ] is not a veteran-owned small business concern.

(7) [Complete only if the Contractor represented itself as a veteran-owned small business concern in paragraph (h)(6) of this clause.] The Contractor represents that it [ ] is, [ ] is not a service-disabled veteran-owned small business concern.

(8) Service-disabled veteran-owned small business (SDVOSB) joint venture eligible under the SDVOSB Program. The Contractor represents that it [ ] is, [ ] is not an SDVOSB joint venture eligible under the SDVOSB Program that complies with the requirements of 13 CFR 128.402. [The Contractor shall enter the name and unique entity identifier of each party to the joint venture: ____.]

(9) [Complete only if the Contractor represented itself as a small business concern in paragraph (h)(1) of this clause.] The Contractor represents that-

(i) It [ ] is, [ ] is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material changes in ownership and control, principal office, or HUBZone employee percentage have occurred since it was certified in accordance with 13 CFR part 126; and

(ii) It [ ] is, [ ] is not a HUBZone joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (h)(8)(i) of this clause is accurate for each HUBZone small business concern participating in the HUBZone joint venture. [The Contractor shall enter the names of each of the HUBZone small business concerns participating in the HUBZone joint venture: ____.] Each HUBZone small business concern participating in the HUBZone joint venture shall submit a separate signed copy of the HUBZone representation.

[Contractor to sign and date and insert authorized signer's name and title.____]

(End of clause)

52.219-28 Post-Award Small Business Program Rerepresentation. (Alternate I) (Feb 2024) Alternate I (Mar 2020)

Alternate I (Mar 2020). As prescribed in 19.309 (c)(2), substitute the following paragraph (h)(1) for paragraph (h)(1) of the basic clause:

(h)(1) The Contractor represents its small business size status for each one of the NAICS codes assigned to this contract.

NAICS Code	Small business concern (yes/no)
541715	____
____	____
____	____

[Contracting Officer to insert NAICS codes.]

52.222-2 Payment for Overtime Premiums. (Jul 1990)

As prescribed in 22.103-5(b), insert the following clause:

Payment for Overtime Premiums (July 1990)

(a) The use of overtime is authorized under this contract if the overtime premium does not exceed *$0.00 (applies only to Cost Plus Fixed-Fee CLIN (s), Cost CLIN(s), and/or Cost-Sharing CLIN(s)) or the overtime premium is paid for work-

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract

completion and shall-

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

* Insert either "zero" or the dollar amount agreed to during negotiations. The inserted figure does not apply to the exceptions in paragraph (a)(1) through (a)(4) of the clause.

(End of clause)

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

As prescribed in 22.1605 , insert the following clause:

Notification of Employee Rights Under the National Labor Relations Act (Dec 2010)

(a) During the term of this contract, the Contractor shall post an employee notice, of such size and in such form, and containing such content as prescribed by the Secretary of Labor, in conspicuous places in and about its plants and offices where employees covered by the National Labor Relations Act engage in activities relating to the performance of the contract, including all places where notices to employees are customarily posted both physically and electronically, in the languages employees speak, in accordance with 29 CFR471.2 (d) and (f).

(1) Physical posting of the employee notice shall be in conspicuous places in and about the Contractor's plants and offices so that the notice is prominent and readily seen by employees who are covered by the National Labor Relations Act and engage in activities related to the performance of the contract.

(2) If the Contractor customarily posts notices to employees electronically, then the Contractor shall also post the required notice electronically by displaying prominently, on any website that is maintained by the Contractor and is customarily used for notices to employees about terms and conditions of employment, a link to the Department of Labor's website that contains the full text of the poster. The link to the Department's website, as referenced in (b)(3) of this section, must read, "Important Notice about Employee Rights to Organize and Bargain Collectively with Their Employers."

(b) This required employee notice, printed by the Department of Labor, may be-

(1) Obtained from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution Avenue, NW., Room N-5609, Washington, DC 20210, (202) 693-0123, or from any field office of the Office of Labor-Management Standards or Office of Federal Contract Compliance Programs;

(2) Provided by the Federal contracting agency if requested;

(3) Downloaded from the Office of Labor-Management Standards Web site at http://www.dol.gov/olms/regs/compliance/EO13496.htm; or

(4) Reproduced and used as exact duplicate copies of the Department of Labor's official poster.

(c) The required text of the employee notice referred to in this clause is located at Appendix A, Subpart A, 29 CFR Part 471.

(d) The Contractor shall comply with all provisions of the employee notice and related rules, regulations, and orders of the Secretary of Labor.

(e) In the event that the Contractor does not comply with the requirements set forth in paragraphs (a) through (d) of this clause, this contract may be terminated or suspended in whole or in part, and the Contractor may be suspended or debarred in accordance with 29 CFR 471.14 and subpart 9.4. Such other sanctions or remedies may be imposed as are provided by 29 CFR part 471, which implements Executive Order 13496 or as otherwise provided by law.

(f) Subcontracts.

(1) The Contractor shall include the substance of this clause, including this paragraph (f), in every subcontract that exceeds $10,000 and will be performed wholly or partially in the United States, unless exempted by the rules, regulations, or orders of the Secretary of Labor issued pursuant to section 3 of Executive Order 13496 of January 30, 2009, so that such provisions will be binding upon each subcontractor.

(2) The Contractor shall not procure supplies or services in a way designed to avoid the applicability of Executive Order 13496 or this clause.

(3) The Contractor shall take such action with respect to any such subcontract as may be directed by the Secretary of Labor as a means of enforcing

such provisions, including the imposition of sanctions for noncompliance.

(4) However, if the Contractor becomes involved in litigation with a subcontractor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

(End of clause)

52.222-42 Statement of Equivalent Rates for Federal Hires. (May 2014)

As prescribed in 22.1006(b), insert the following clause:

Statement of Equivalent Rates for Federal Hires (May 2014)

In compliance with the Service Contract Labor Standards statute and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C.5341 or 5 332.

This Statement is for Information Only: It is not a Wage Determination

Employee Class	Monetary Wage-Fringe Benefits
____	____
____	____
____	____
____	____
____	____
____	____
____	____

(End of clause)

52.223-3 Hazardous Material Identification and Material Safety Data. (Feb 2021)

As prescribed in 23.303 , insert the following clause:

Hazardous Material Identification and Material Safety Data (Feb 2021)

(a) "Hazardous material," as used in this clause, includes any material defined as hazardous under the latest version of Federal Standard No.313 (including revisions adopted during the term of the contract).

(b) The offeror must list any hazardous material, as defined in paragraph (a) of this clause, to be delivered under this contract. The hazardous material shall be properly identified and include any applicable identification number, such as National Stock Number or Special Item Number. This information shall also be included on the Material Safety Data Sheet submitted under this contract.

Material (If none, insert None)	Identification No.
TBD_____	TBD_____
____	____
____	____

(c) This list must be updated during performance of the contract whenever the Contractor determines that any other material to be delivered under this contract is hazardous.

(d) The apparently successful offeror agrees to submit, for each item as required prior to award, a Material Safety Data Sheet, meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No.313, for all hazardous material identified in paragraph (b) of this clause. Data shall be submitted in accordance with Federal Standard No.313, whether or not the apparently successful offeror is the actual manufacturer of these items. Failure to submit the Material Safety Data Sheet prior to award may result in the apparently successful offeror being considered nonresponsible and ineligible for award.

(e) If, after award, there is a change in the composition of the item(s) or a revision to Federal Standard No.313, which renders incomplete or inaccurate the data submitted under paragraph (d) of this clause, the Contractor shall promptly notify the Contracting Officer and resubmit the data.

(f) Neither the requirements of this clause nor any act or failure to act by the Government shall relieve the Contractor of any responsibility or liability for the safety of Government, Contractor, or subcontractor personnel or property.

(g) Nothing contained in this clause shall relieve the Contractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material.

(h) The Government's rights in data furnished under this contract with respect to hazardous material are as follows:

(1) To use, duplicate and disclose any data to which this clause is applicable. The purposes of this right are to-

(i) Apprise personnel of the hazards to which they may be exposed in using, handling, packaging, transporting, or disposing of hazardous materials;

(ii) Obtain medical treatment for those affected by the material; and

(iii) Have others use, duplicate, and disclose the data for the Government for these purposes.

(2) To use, duplicate, and disclose data furnished under this clause, in accordance with paragraph (h)(1) of this clause, in precedence over any other clause of this contract providing for rights in data.

(3) The Government is not precluded from using similar or identical data acquired from other sources.

(End of clause)

52.223-11 Ozone-Depleting Substances and High Global Warming Potential Hydrofluorocarbons. (Jun 2016)

As prescribed in 23.804(a)(1), insert the following clause:

Ozone-Depleting Substances and High Global Warming Potential Hydrofluorocarbons (Jun 2016)

(a) Definitions. As used in this clause-

Global warming potential means how much a given mass of a chemical contributes to global warming over a given time period compared to the same mass of carbon dioxide. Carbon dioxide's global warming potential is defined as 1.0.

High global warming potential hydrofluorocarbons means any hydrofluorocarbons in a particular end use for which EPA's Significant New Alternatives Policy (SNAP) program has identified other acceptable alternatives that have lower global warming potential. The SNAP list of alternatives is found at 40 CFR part 82, subpart G, with supplemental tables of alternatives available at (http://www.epa.gov/snap/).

Hydrofluorocarbons means compounds that only contain hydrogen, fluorine, and carbon.

Ozone-depleting substance, means any substance the Environmental Protection Agency designates in 40 CFR part 82 as-

(1)Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2)Class II, including, but not limited to, hydrochlorofluorocarbons.

(b) The Contractor shall label products that contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), (d), and (e) and 40 CFR part 82, subpart E, as follows:

Warning: Contains (or manufactured with, if applicable) *____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

* The Contractor shall insert the name of the substance(s).

(c) Reporting. For equipment and appliances that normally each contain 50 or more pounds of hydrofluorocarbons or refrigerant blends containing hydrofluorocarbons, the Contractor shall-

(1) Track on an annual basis, between October 1 and September 30, the amount in pounds of hydrofluorocarbons or refrigerant blends containing hydrofluorocarbons contained in the equipment and appliances delivered to the Government under this contract by-

(i) Type of hydrofluorocarbon (e.g., HFC-134 a, HFC-125, R-410 A, R-404 A, etc.);

(ii) Contract number; and

(iii) Equipment/appliance;

(2) Report that information to the Contracting Officer for FY16 and to www.sam.gov, for FY17 and after-

(i) Annually by November 30 of each year during contract performance; and

(ii) At the end of contract performance.

(d) The Contractor shall refer to EPA's SNAP program (available at http://www.epa.gov/snap) to identify alternatives. The SNAP list of alternatives is found at 40 CFR part 82 subpart G with supplemental tables available at http://www.epa.gov/snap.

(End of clause)

52.227-11 Patent Rights-Ownership by the Contractor. (May 2014)

As prescribed in 27.303(b)(1), insert the following clause:

Patent Rights-Ownership by the Contractor (May 2014)

(a) As used in this clause-

Invention means any invention or discovery that is or may be patentable or otherwise protectable under title 35 of the U.S. Code, or any variety of plant that is or may be protectable under the Plant Variety Protection Act (7 U.S.C. 2321, et seq.)

Made means-

(1) When used in relation to any invention other than a plant variety, the conception or first actual reduction to practice of the invention; or

(2) When used in relation to a plant variety, that the Contractor has at least tentatively determined that the variety has been reproduced with recognized characteristics.

Nonprofit organization means a university or other institution of higher education or an organization of the type described in section 501(c)(3) of the Internal Revenue Code of 1954 (26 U.S.C. 501(c)) and exempt from taxation under section 501(a) of the Internal Revenue Code (26 U.S.C. 501(a)), or any nonprofit scientific or educational organization qualified under a State nonprofit organization statute.

"Practical application" means to manufacture, in the case of a composition of product; to practice, in the case of a process or method; or to operate, in the case of a machine or system; and, in each case, under such conditions as to establish that the invention is being utilized and that its benefits are, to the extent permitted by law or Government regulations, available to the public on reasonable terms.

Subject invention means any invention of the Contractor made in the performance of work under this contract.

(b) Contractor's rights.

(1) Ownership. The Contractor may retain ownership of each subject invention throughout the world in accordance with the provisions of this clause.

(2) License.

(i) The Contractor shall retain a nonexclusive royalty-free license throughout the world in each subject invention to which the Government obtains title, unless the Contractor fails to disclose the invention within the times specified in paragraph (c) of this clause. The Contractor's license extends to any domestic subsidiaries and affiliates within the corporate structure of which the Contractor is a part, and includes the right to grant sublicenses to the extent the Contractor was legally obligated to do so at contract award. The license is transferable only with the written approval of the agency, except when transferred to the successor of that part of the Contractor's business to which the invention pertains.

(ii) The Contractor's license may be revoked or modified by the agency to the extent necessary to achieve expeditious practical application of the subject invention in a particular country in accordance with the procedures in FAR 27.302(i)(2) and 27.304-1(f).

(c) Contractor's obligations.

(1) The Contractor shall disclose in writing each subject invention to the Contracting Officer within 2 months after the inventor discloses it in writing to Contractor personnel responsible for patent matters. The disclosure shall identify the inventor(s) and this contract under which the subject invention was made. It shall be sufficiently complete in technical detail to convey a clear understanding of the subject invention. The disclosure shall also identify any publication, on sale (i.e., sale or offer for sale), or public use of the subject invention, or whether a manuscript describing the subject invention has been submitted for publication and, if so, whether it has been accepted for publication. In addition, after disclosure to the agency, the Contractor shall promptly notify the Contracting Officer of the acceptance of any manuscript describing the subject invention for publication and any on sale or public use.

(2) The Contractor shall elect in writing whether or not to retain ownership of any subject invention by notifying the Contracting Officer within 2 years of disclosure to the agency. However, in any case where publication, on sale, or public use has initiated the 1-year statutory period during which valid patent protection can be obtained in the United States, the period for election of title may be shortened by the agency to a date that is no more than 60 days prior to the end of the statutory period.

(3) The Contractor shall file either a provisional or a nonprovisional patent application or a Plant Variety Protection Application on an elected subject invention within 1 year after election. However, in any case where a publication, on sale, or public use has initiated the 1-year statutory period during which valid patent protection can be obtained in the United States, the Contractor shall file the application prior to the end of that statutory period. If the Contractor files a provisional application, it shall file a nonprovisional application within 10 months of the filing of the provisional application. The Contractor shall file patent applications in additional countries or international patent offices within either 10 months of the first filed patent application (whether provisional or nonprovisional) or 6 months from the date permission is granted by the Commissioner of Patents to file foreign

patent applications where such filing has been prohibited by a Secrecy Order.

(4) The Contractor may request extensions of time for disclosure, election, or filing under paragraphs (c)(1), (c)(2), and (c)(3) of this clause.

(d) Government's rights-

(1) Ownership. The Contractor shall assign to the agency, on written request, title to any subject invention-

(i) If the Contractor fails to disclose or elect ownership to the subject invention within the times specified in paragraph (c) of this clause, or elects not to retain ownership; provided, that the agency may request title only within 60 days after learning of the Contractor's failure to disclose or elect within the specified times.

(ii) In those countries in which the Contractor fails to file patent applications within the times specified in paragraph (c) of this clause; provided, however, that if the Contractor has filed a patent application in a country after the times specified in paragraph (c) of this clause, but prior to its receipt of the written request of the agency, the Contractor shall continue to retain ownership in that country.

(iii) In any country in which the Contractor decides not to continue the prosecution of any application for, to pay the maintenance fees on, or defend in reexamination or opposition proceeding on, a patent on a subject invention.

(2) License. If the Contractor retains ownership of any subject invention, the Government shall have a nonexclusive, nontransferable, irrevocable, paid-up license to practice, or have practiced for or on its behalf, the subject invention throughout the world.

(e) Contractor action to protect the Government's interest.

(1) The Contractor shall execute or have executed and promptly deliver to the agency all instruments necessary to-

(i) Establish or confirm the rights the Government has throughout the world in those subject inventions in which the Contractor elects to retain ownership; and

(ii) Assign title to the agency when requested under paragraph (d) of this clause and to enable the Government to obtain patent protection and plant variety protection for that subject invention in any country.

(2) The Contractor shall require, by written agreement, its employees, other than clerical and nontechnical employees, to disclose promptly in writing to personnel identified as responsible for the administration of patent matters and in the Contractor's format, each subject invention in order that the Contractor can comply with the disclosure provisions of paragraph (c) of this clause, and to execute all papers necessary to file patent applications on subject inventions and to establish the Government's rights in the subject inventions. The disclosure format should require, as a minimum, the information required by paragraph (c)(1) of this clause. The Contractor shall instruct such employees, through employee agreements or other suitable educational programs, as to the importance of reporting inventions in sufficient time to permit the filing of patent applications prior to U.S. or foreign statutory bars.

(3) The Contractor shall notify the Contracting Officer of any decisions not to file a nonprovisional patent application, continue the prosecution of a patent application, pay maintenance fees, or defend in a reexamination or opposition proceeding on a patent, in any country, not less than 30 days before the expiration of the response or filing period required by the relevant patent office.

(4) The Contractor shall include, within the specification of any United States nonprovisional patent or plant variety protection application and any patent or plant variety protection certificate issuing thereon covering a subject invention, the following statement, "This invention was made with Government support under (identify the contract) awarded by (identify the agency). The Government has certain rights in the invention."

(f) Reporting on utilization of subject inventions. The Contractor shall submit, on request, periodic reports no more frequently than annually on the utilization of a subject invention or on efforts at obtaining utilization of the subject invention that are being made by the Contractor or its licensees or assignees. The reports shall include information regarding the status of development, date of first commercial sale or use, gross royalties received by the Contractor, and other data and information as the agency may reasonably specify. The Contractor also shall provide additional reports as may be requested by the agency in connection with any march-in proceeding undertaken by the agency in accordance with paragraph (h) of this clause. The Contractor also shall mark any utilization report as confidential/proprietary to help prevent inadvertent release outside the Government. As required by 35 U.S.C. 202(c)(5), the agency will not disclose that information to persons outside the Government without the Contractor's permission.

(g) Preference for United States industry. Notwithstanding any other provision of this clause, neither the Contractor nor any assignee shall grant to any person the exclusive right to use or sell any subject invention in the United States unless the person agrees that any products embodying the subject invention or produced through the use of the subject invention will be manufactured substantially in the United States. However, in individual cases, the requirement for an agreement may be waived by the agency upon a showing by the Contractor or its assignee that reasonable but unsuccessful efforts have been made to grant licenses on similar terms to potential licensees that would be likely to manufacture substantially in the United States, or that under the circumstances domestic manufacture is not commercially feasible.

(h) March-in rights. The Contractor acknowledges that, with respect to any subject invention in which it has retained ownership, the agency has the right to require licensing pursuant to 35 U.S.C. 203 and 210(c), and in accordance with the procedures in 37 CFR 401.6 and any supplemental regulations of the agency in effect on the date of contract award.

(i) Special provisions for contracts with nonprofit organizations. If the Contractor is a nonprofit organization, it shall-

(1) Not assign rights to a subject invention in the United States without the written approval of the agency, except where an assignment is made to an organization that has as one of its primary functions the management of inventions, provided, that the assignee shall be subject to the same provisions as the Contractor;

(2) Share royalties collected on a subject invention with the inventor, including Federal employee co-inventors (but through their agency if the agency deems it appropriate) when the subject invention is assigned in accordance with 35U.S.C.202(e) and 37 CFR 401.10;

(3) Use the balance of any royalties or income earned by the Contractor with respect to subject inventions, after payment of expenses (including payments to inventors) incidental to the administration of subject inventions for the support of scientific research or education; and

(4) Make efforts that are reasonable under the circumstances to attract licensees of subject inventions that are small business concerns, and give a preference to a small business concern when licensing a subject invention if the Contractor determines that the small business concern has a plan or proposal for marketing the invention which, if executed, is equally as likely to bring the invention to practical application as any plans or proposals from applicants that are not small business concerns; provided, that the Contractor is also satisfied that the small business concern has the capability and resources to carry out its plan or proposal. The decision whether to give a preference in any specific case will be at the discretion of the Contractor.

(5) Allow the Secretary of Commerce to review the Contractor's licensing program and decisions regarding small business applicants, and negotiate changes to its licensing policies, procedures, or practices with the Secretary of Commerce when the Secretary's review discloses that the Contractor could take reasonable steps to more effectively implement the requirements of paragraph (i)(4) of this clause.

(j) Communications. See SOW Supplemental Requirements_____[Complete according to agency instructions.]

(k) Subcontracts.

(1) The Contractor shall include the substance of this clause, including this paragraph (k), in all subcontracts for experimental, developmental, or research work to be performed by a small business concern or nonprofit organization.

(2) The Contractor shall include in all other subcontracts for experimental, developmental, or research work the substance of the patent rights clause required by FAR subpart 27.3.

(3) At all tiers, the patent rights clause must be modified to identify the parties as follows: references to the Government are not changed, and the subcontractor has all rights and obligations of the Contractor in the clause. The Contractor shall not, as part of the consideration for awarding the subcontract, obtain rights in the subcontractor's subject inventions.

(4) In subcontracts, at any tier, the agency, the subcontractor, and the Contractor agree that the mutual obligations of the parties created by this clause constitute a contract between the subcontractor and the agency with respect to the matters covered by the clause; provided, however, that nothing in this paragraph is intended to confer any jurisdiction under the Contract Disputes statute in connection with proceedings under paragraph (h) of this clause.

(End of clause)

52.232-2 Payments under Fixed-Price Research and Development Contracts. (Apr 1984)

As prescribed in 32.111(a)(2), insert the following clause, as appropriately modified with respect to payment due dates in accordance with agency regulations, in solicitations and contracts when a fixed-price research and development contract is contemplated:

Payments under Fixed-Price Research and Development Contracts (Apr 1984)

The Government shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for work delivered or rendered and accepted, less any deductions provided in this contract. Unless otherwise specified, payment shall be made upon acceptance of any portion of the work delivered or rendered for which a price is separately stated in the contract.

(End of clause)

52.232-9 Limitation on Withholding of Payments. (Apr 1984)

As prescribed in 32.111(b)(2), insert a clause substantially as follows, appropriately modified with respect to payment due dates in accordance with agency regulations, in solicitations and contracts when a supply contract, service contract, time-and-materials contract, labor-hour contract, or research and development contract is contemplated that includes two or more terms authorizing the temporary withholding of amounts otherwise payable to the contractor for supplies delivered or services performed:

Limitation on Withholding of Payments (Apr 1984)

If more than one clause or Schedule term of this contract authorizes the temporary withholding of amounts otherwise payable to the Contractor for supplies delivered or services performed, the total of the amounts withheld at any one time shall not exceed the greatest amount that may be withheld

under any one clause or Schedule term at that time; provided, that this limitation shall not apply to-

(a) Withholdings pursuant to any clause relating to wages or hours of employees;

(b) Withholdings not specifically provided for by this contract;

(c) The recovery of overpayments; and

(d) Any other withholding for which the Contracting Officer determines that this limitation is inappropriate.

(End of clause)

52.232-16 Progress Payments. (Nov 2021)

As prescribed in 32.502-4(a), insert the following clause:

Progress Payments (Nov 2021)

The Government will make progress payments to the Contractor when requested as work progresses, but not more frequently than monthly, in amounts of $2,500 or more approved by the Contracting Officer, under the following conditions:

(a) Computation of amounts.

(1) Unless the Contractor requests a smaller amount, the Government will compute each progress payment as 80 percent of the Contractor's total costs incurred under this contract whether or not actually paid, plus financing payments to subcontractors (see paragraph (j) of this clause), less the sum of all previous progress payments made by the Government under this contract. The Contracting Officer will consider cost of money that would be allowable under Federal Acquisition Regulation (FAR)31.205-10 as an incurred cost for progress payment purposes.

(2) The amount of financing and other payments for supplies and services purchased directly for the contract are limited to the amounts that have been paid by cash, check, or other forms of payment, or that are determined due and will be paid to subcontractors-

(i) In accordance with the terms and conditions of a subcontract or invoice; and

(ii) Ordinarily within 30 days of the submission of the Contractor's payment request to the Government.

(3) The Government will exclude accrued costs of Contractor contributions under employee pension plans until actually paid unless-

(i) The Contractor's practice is to make contributions to the retirement fund quarterly or more frequently; and

(ii) The contribution does not remain unpaid 30 days after the end of the applicable quarter or shorter payment period (any contribution remaining unpaid shall be excluded from the Contractor's total costs for progress payments until paid).

(4) The Contractor shall not include the following in total costs for progress payment purposes in paragraph (a)(1) of this clause:

(i) Costs that are not reasonable, allocable to this contract, and consistent with sound and generally accepted accounting principles and practices.

(ii) Costs incurred by subcontractors or suppliers.

(iii) Costs ordinarily capitalized and subject to depreciation or amortization except for the properly depreciated or amortized portion of such costs.

(iv) Payments made or amounts payable to subcontractors or suppliers, except for-

(A) Completed work, including partial deliveries, to which the Contractor has acquired title; and

(B) Work under cost-reimbursement or time-and-material subcontracts to which the Contractor has acquired title.

(5) The amount of unliquidated progress payments may exceed neither (i) the progress payments made against incomplete work (including allowable unliquidated progress payments to subcontractors) nor (ii) the value, for progress payment purposes, of the incomplete work. Incomplete work shall be considered to be the supplies and services required by this contract, for which delivery and invoicing by the Contractor and acceptance by the Government are incomplete.

(6) The total amount of progress payments shall not exceed 80 percent of the total contract price.

(7) If a progress payment or the unliquidated progress payments exceed the amounts permitted by paragraphs (a)(4) or (a)(5) of this clause, the Contractor shall repay the amount of such excess to the Government on demand.

(8) Notwithstanding any other terms of the contract, the Contractor agrees not to request progress payments in dollar amounts of less than $2,500. The Contracting Officer may make exceptions.

(9) The costs applicable to items delivered, invoiced, and accepted shall not include costs in excess of the contract price of the items.

(b) Liquidation. Except as provided in the Termination for Convenience of the Government clause, all progress payments shall be liquidated by deducting from any payment under this contract, other than advance or progress payments, the unliquidated progress payments, or 80 percent of the amount invoiced, whichever is less. The Contractor shall repay to the Government any amounts required by a retroactive price reduction, after computing liquidations and payments on past invoices at the reduced prices and adjusting the unliquidated progress payments accordingly. The Government reserves the right to unilaterally change from the ordinary liquidation rate to an alternate rate when deemed appropriate for proper contract financing.

(c) Reduction or suspension. The Contracting Officer may reduce or suspend progress payments, increase the rate of liquidation, or take a combination of these actions, after finding on substantial evidence any of the following conditions:

(1) The Contractor failed to comply with any material requirement of this contract (which includes paragraphs (f) and (g) of this clause).

(2) Performance of this contract is endangered by the Contractor's-

(i) Failure to make progress; or

(ii) Unsatisfactory financial condition.

(3) Inventory allocated to this contract substantially exceeds reasonable requirements.

(4) The Contractor is delinquent in payment of the costs of performing this contract in the ordinary course of business.

(5) The fair value of the undelivered work is less than the amount of unliquidated progress payments for that work.

(6) The Contractor is realizing less profit than that reflected in the establishment of any alternate liquidation rate in paragraph (b) of this clause, and that rate is less than the progress payment rate stated in paragraph (a)(1) of this clause.

(d) Title.

(1) Title to the property described in this paragraph (d) shall vest in the Government. Vestiture shall be immediately upon the date of this contract, for property acquired or produced before that date. Otherwise, vestiture shall occur when the property is or should have been allocable or properly chargeable to this contract.

(2) "Property," as used in this clause, includes all of the below-described items acquired or produced by the Contractor that are or should be allocable or properly chargeable to this contract under sound and generally accepted accounting principles and practices.

(i) Parts, materials, inventories, and work in process;

(ii) Special tooling and special test equipment to which the Government is to acquire title;

(iii) Nondurable (i.e., noncapital) tools, jigs, dies, fixtures, molds, patterns, taps, gauges, test equipment, and other similar manufacturing aids, title to which would not be obtained as special tooling under paragraph (d)(2)(ii) of this clause; and

(iv) Drawings and technical data, to the extent the Contractor or subcontractors are required to deliver them to the Government by other clauses of this contract.

(3) Although title to property is in the Government under this clause, other applicable clauses of this contract; e.g., the termination clauses, shall determine the handling and disposition of the property.

(4) The Contractor may sell any scrap resulting from production under this contract without requesting the Contracting Officer's approval, but the proceeds shall be credited against the costs of performance.

(5) To acquire for its own use or dispose of property to which title is vested in the Government under this clause, the Contractor must obtain the Contracting Officer's advance approval of the action and the terms. The Contractor shall (i) exclude the allocable costs of the property from the costs of contract performance, and (ii) repay to the Government any amount of unliquidated progress payments allocable to the property. Repayment may be by cash or credit memorandum.

(6) When the Contractor completes all of the obligations under this contract, including liquidation of all progress payments, title shall vest in the Contractor for all property (or the proceeds thereof) not-

(i) Delivered to, and accepted by, the Government under this contract; or

(ii) Incorporated in supplies delivered to, and accepted by, the Government under this contract and to which title is vested in the Government under this clause.

(7) The terms of this contract concerning liability for Government-furnished property shall not apply to property to which the Government acquired title solely under this clause.

(e) Risk of loss. Before delivery to and acceptance by the Government, the Contractor shall bear the risk of loss for property, the title to which vests in the Government under this clause, except to the extent the Government expressly assumes the risk. The Contractor shall repay the Government an amount equal to the unliquidated progress payments that are based on costs allocable to property that is lost (see 45.101).

(f) Control of costs and property. The Contractor shall maintain an accounting system and controls adequate for the proper administration of this clause.

(g) Reports, forms, and access to records.

(1) The Contractor shall promptly furnish reports, certificates, financial statements, and other pertinent information (including estimates to complete) reasonably requested by the Contracting Officer for the administration of this clause. Also, the Contractor shall give the Government reasonable opportunity to examine and verify the Contractor's books, records, and accounts.

(2) The Contractor shall furnish estimates to complete that have been developed or updated within six months of the date of the progress payment request. The estimates to complete shall represent the Contractor's best estimate of total costs to complete all remaining contract work required under the contract. The estimates shall include sufficient detail to permit Government verification.

(3) Each Contractor request for progress payment shall:

(i) Be submitted on Standard Form 1443, Contractor's Request for Progress Payment, or the electronic equivalent as required by agency regulations, in accordance with the form instructions and the contract terms; and

(ii) Include any additional supporting documentation requested by the Contracting Officer.

(h) Special terms regarding default. If this contract is terminated under the Default clause, (i) the Contractor shall, on demand, repay to the Government the amount of unliquidated progress payments and (ii) title shall vest in the Contractor, on full liquidation of progress payments, for all property for which the Government elects not to require delivery under the Default clause. The Government shall be liable for no payment except as provided by the Default clause.

(i) Reservations of rights.

(1) No payment or vesting of title under this clause shall-

(i) Excuse the Contractor from performance of obligations under this contract; or

(ii) Constitute a waiver of any of the rights or remedies of the parties under the contract.

(2) The Government's rights and remedies under this clause-

(i) Shall not be exclusive but rather shall be in addition to any other rights and remedies provided by law or this contract; and

(ii) Shall not be affected by delayed, partial, or omitted exercise of any right, remedy, power, or privilege, nor shall such exercise or any single exercise preclude or impair any further exercise under this clause or the exercise of any other right, power, or privilege of the Government.

(j) Financing payments to subcontractors. The financing payments to subcontractors mentioned in paragraphs (a)(1) and (a)(2) of this clause shall be all financing payments to subcontractors or divisions, if the following conditions are met:

(1) The amounts included are limited to-

(i) The unliquidated remainder of financing payments made; plus

(ii) Any unpaid subcontractor requests for financing payments.

(2) The subcontract or interdivisional order is expected to involve a minimum of approximately 6 months between the beginning of work and the first delivery; or, if the subcontractor is a small business concern, 4 months.

(3) If the financing payments are in the form of progress payments, the terms of the subcontract or interdivisional order concerning progress payments-

(i) Are substantially similar to the terms of this clause for any subcontractor that is a large business concern, or this clause with its Alternate I for any subcontractor that is a small business concern;

(ii) Are at least as favorable to the Government as the terms of this clause;

(iii) Are not more favorable to the subcontractor or division than the terms of this clause are to the Contractor;

(iv) Are in conformance with the requirements of FAR 32.504(e); and

(v) Subordinate all subcontractor rights concerning property to which the Government has title under the subcontract to the Government's right to require delivery of the property to the Government if-

(A) The Contractor defaults; or

(B) The subcontractor becomes bankrupt or insolvent.

(4) If the financing payments are in the form of performance-based payments, the terms of the subcontract or interdivisional order concerning payments-

(i) Are substantially similar to the Performance-Based Payments clause at FAR 52.232-32 and meet the criteria for, and definition of, performance-based payments in FAR part 32;

(ii) Are in conformance with the requirements of FAR 32.504(f); and

(iii) Subordinate all subcontractor rights concerning property to which the Government has title under the subcon-

tract to the Government's right to require delivery of the property to the Government if-

(A) The Contractor defaults; or

(B) The subcontractor becomes bankrupt or insolvent.

(5) If the financing payments are in the form of commercial product or commercial service financing payments, the terms of the subcontract or interdivisional order concerning payments-

(i) Are constructed in accordance with FAR 32.206(c) and included in a subcontract for a commercial product or commercial service purchase that meets the definition and standards for acquisition of commercial products and commercial services in FAR parts 2 and 12;

(ii) Are in conformance with the requirements of FAR 32.504(g); and

(iii) Subordinate all subcontractor rights concerning property to which the Government has title under the subcontract to the Government's right to require delivery of the property to the Government if-

(A) The Contractor defaults; or

(B) The subcontractor becomes bankrupt or insolvent.

(6) If financing is in the form of progress payments, the progress payment rate in the subcontract is the customary rate used by the contracting agency, depending on whether the subcontractor is or is not a small business concern.

(7) Concerning any proceeds received by the Government for property to which title has vested in the Government under the subcontract terms, the parties agree that the proceeds shall be applied to reducing any unliquidated financing payments by the Government to the Contractor under this contract.

(8) If no unliquidated financing payments to the Contractor remain, but there are unliquidated financing payments that the Contractor has made to any subcontractor, the Contractor shall be subrogated to all the rights the Government obtained through the terms required by this clause to be in any subcontract, as if all such rights had been assigned and transferred to the Contractor.

(9) To facilitate small business participation in subcontracting under this contract, the Contractor shall provide financing payments to small business concerns, in conformity with the standards for customary contract financing payments stated in FAR 32.113. The Contractor shall not consider the need for such financing payments as a handicap or adverse factor in the award of subcontracts.

(k) Limitations on undefinitized contract actions. Notwithstanding any other progress payment provisions in this contract, progress payments may not exceed 80 percent of costs incurred on work accomplished under undefinitized contract actions. A "contract action" is any action resulting in a contract, as defined in subpart 2.1, including contract modifications for additional supplies or services, but not including contract modifications that are within the scope and under the terms of the contract, such as contract modifications issued pursuant to the Changes clause, or funding and other administrative changes. This limitation shall apply to the costs incurred, as computed in accordance with paragraph (a) of this clause, and shall remain in effect until the contract action is definitized. Costs incurred which are subject to this limitation shall be segregated on Contractor progress payment requests and invoices from those costs eligible for higher progress payment rates. For purposes of progress payment liquidation, as described in paragraph (b) of this clause, progress payments for undefinitized contract actions shall be liquidated at 80 percent of the amount invoiced for work performed under the undefinitized contract action as long as the contract action remains undefinitized. The amount of unliquidated progress payments for undefinitized contract actions shall not exceed 80 percent of the maximum liability of the Government under the undefinitized contract action or such lower limit specified elsewhere in the contract. Separate limits may be specified for separate actions.

(l) Due date. The designated payment office will make progress payments on the 30th[Contracting Officer insert date as prescribed by agency head; if not prescribed, insert "30th"] day after the designated billing office receives a proper progress payment request. In the event that the Government requires an audit or other review of a specific progress payment request to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make payment by the specified due date. Progress payments are considered contract financing and are not subject to the interest penalty provisions of the Prompt Payment Act.

(m) Progress payments under indefinite-delivery contracts. The Contractor shall account for and submit progress payment requests under individual orders as if the order constituted a separate contract, unless otherwise specified in this contract.

(End of clause)

52.232-25 Prompt Payment. (Jan 2017)

As prescribed in 32.908(c), insert the following clause:

Prompt Payment (Jan 2017)

Notwithstanding any other payment clause in this contract, the Government will make invoice payments under the terms and conditions specified in this clause. The Government considers payment as being made on the day a check is dated or the date of an electronic funds transfer (EFT). Definitions of pertinent terms are set forth in sections 2.101, 32.001, and 32.902 of the Federal Acquisition Regulation. All days referred to in this clause are calendar days, unless otherwise specified. (However, see paragraph (a)(4) of this clause concerning payments due on Saturdays, Sundays, and legal holidays.)

(a) Invoice payments-

(1) Due date.

(i) Except as indicated in paragraphs (a)(2) and (c) of this clause, the due date for making invoice payments by the designated payment office is the later of the following two events:

(A) The 30 thday after the designated billing office receives a proper invoice from the Contractor (except as provided in paragraph (a)(1)(ii) of this clause).

(B) The 30 thday after Government acceptance of supplies delivered or services performed. For a final invoice, when the payment amount is subject to contract settlement actions, acceptance is deemed to occur on the effective date of the contract settlement.

(ii) If the designated billing office fails to annotate the invoice with the actual date of receipt at the time of receipt, the invoice payment due date is the 30 thday after the date of the Contractor's invoice, provided the designated billing office receives a proper invoice and there is no disagreement over quantity, quality, or Contractor compliance with contract requirements.

(2) Certain food products and other payments.

(i) Due dates on Contractor invoices for meat, meat food products, or fish; perishable agricultural commodities; and dairy products, edible fats or oils, and food products prepared from edible fats or oils are-

(A) For meat or meat food products, as defined in section 2(a)(3) of the Packers and Stockyard Act of1921 (7 U.S.C.182(3)), and as further defined in Pub.L.98-181, including any edible fresh or frozen poultry meat, any perishable poultry meat food product, fresh eggs, and any perishable egg product, as close as possible to, but not later than, the 7 thday after product delivery.

(B) For fresh or frozen fish, as defined in section 204(3) of the Fish and Seafood Promotion Act of1986 (16 U.S.C.4003(3)), as close as possible to, but not later than, the 7 thday after product delivery.

(C) For perishable agricultural commodities, as defined in section 1(4) of the Perishable Agricultural Commodities Act of1930 (7 U.S.C.499a(4)), as close as possible to, but not later than, the 10 thday after product delivery, unless another date is specified in the contract.

(D) For dairy products, as defined in section 111(e) of the Dairy Production Stabilization Act of1983 (7 U.S.C.4502(e)), edible fats or oils, and food products prepared from edible fats or oils, as close as possible to, but not later than, the 10 thday after the date on which a proper invoice has been received. Liquid milk, cheese, certain processed cheese products, butter, yogurt, ice cream, mayonnaise, salad dressings, and other similar products, fall within this classification. Nothing in the Act limits this classification to refrigerated products. When questions arise regarding the proper classification of a specific product, prevailing industry practices will be followed in specifying a contract payment due date. The burden of proof that a classification of a specific product is, in fact, prevailing industry practice is upon the Contractor making the representation.

(ii) If the contract does not require submission of an invoice for payment (e.g., periodic lease payments), the due date will be as specified in the contract.

(3) Contractor's invoice. The Contractor shall prepare and submit invoices to the designated billing office specified in the contract. A proper invoice must include the items listed in paragraphs (a)(3)(i) through (a)(3)(x) of this clause. If the invoice does not comply with these requirements, the designated billing office will return it within 7 days after receipt (3 days for meat, meat food products, or fish; 5 days for perishable agricultural commodities, dairy products, edible fats or oils, and food products prepared from edible fats or oils), with the reasons why it is not a proper invoice. The Government will take into account untimely notification when computing any interest penalty owed the Contractor.

(i) Name and address of the Contractor.

(ii) Invoice date and invoice number. (The Contractor should date invoices as close as possible to the date of the mailing or transmission.)

(iii) Contract number or other authorization for supplies delivered or services performed (including order number and line item number).

(iv) Description, quantity, unit of measure, unit price, and extended price of supplies delivered or services performed.

(v) Shipping and payment terms (e.g., shipment number and date of shipment, discount for prompt payment terms). Bill of lading number and weight of shipment will be shown for shipments on Government bills of lading.

(vi) Name and address of Contractor official to whom payment is to be sent (must be the same as that in the contract or in a proper notice of assignment).

(vii) Name (where practicable), title, phone number, and mailing address of person to notify in the event of a defective invoice.

(viii) Taxpayer Identification Number (TIN). The Contractor shall include its TIN on the invoice only if required elsewhere in this contract.

(ix) Electronic funds transfer (EFT) banking information.

(A) The Contractor shall include EFT banking information on the invoice only if required elsewhere in this contract.

(B) If EFT banking information is not required to be on the invoice, in order for the invoice to be a proper invoice, the Contractor shall have submitted correct EFT banking information in accordance with the applicable solicitation provision (e.g., 52.232-38, Submission of Electronic Funds Transfer Information with Offer), contract clause (e.g., 52.232-33, Payment by Electronic Funds Transfer-System for Award Management, or 52.232-34, Payment by Electronic Funds Transfer-Other Than System for Award Management), or applicable agency procedures.

(C) EFT banking information is not required if the Government waived the requirement to pay by EFT.

(x) Any other information or documentation required by the contract (e.g., evidence of shipment).

(4) Interest penalty. The designated payment office will pay an interest penalty automatically, without request from the Contractor, if payment is not made by the due date and the conditions listed in paragraphs (a)(4)(i) through (a)(4)(iii) of this clause are met, if applicable. However, when the due date falls on a Saturday, Sunday, or legal holiday, the designated payment office may make payment on the following working day without incurring a late payment interest penalty.

(i) The designated billing office received a proper invoice.

(ii) The Government processed a receiving report or other Government documentation authorizing payment, and there was no disagreement over quantity, quality, or Contractor compliance with any contract term or condition.

(iii) In the case of a final invoice for any balance of funds due the Contractor for supplies delivered or services performed, the amount was not subject to further contract settlement actions between the Government and the Contractor.

(5) Computing penalty amount. The Government will compute the interest penalty in accordance with the Office of Management and Budget prompt payment regulations at 5 CFR Part 1315.

(i) For the sole purpose of computing an interest penalty that might be due the Contractor, Government acceptance is deemed to occur constructively on the 7 thday (unless otherwise specified in this contract) after the Contractor delivers the supplies or performs the services in accordance with the terms and conditions of the contract, unless there is a disagreement over quantity, quality, or Contractor compliance with a contract provision. If actual acceptance occurs within the constructive acceptance period, the Government will base the determination of an interest penalty on the actual date of acceptance. The constructive acceptance requirement does not, however, compel Government officials to accept supplies or services, perform contract administration functions, or make payment prior to fulfilling their responsibilities.

(ii) The prompt payment regulations at 5 CFR1315.10(c) do not require the Government to pay interest penalties if payment delays are due to disagreement between the Government and the Contractor over the payment amount or other issues involving contract compliance, or on amounts temporarily withheld or retained in accordance with the terms of the contract. The Government and the Contractor shall resolve claims involving disputes and any interest that may be payable in accordance with the clause at FAR 52.233-1, Disputes.

(6) Discounts for prompt payment. The designated payment office will pay an interest penalty automatically, without request from the Contractor, if the Government takes a discount for prompt payment improperly. The Government will calculate the interest penalty in accordance with the prompt payment regulations at 5 CFR Part 1315.

(7) Additional interest penalty.

(i) The designated payment office will pay a penalty amount, calculated in accordance with the prompt payment regulations at 5 CFR Part 1315 in addition to the interest penalty amount only if-

(A) The Government owes an interest penalty of $1 or more;

(B) The designated payment office does not pay the interest penalty within 10 days after the date the invoice amount is paid; and

(C) The Contractor makes a written demand to the designated payment office for additional penalty payment, in accordance with paragraph (a)(7)(ii) of this clause, postmarked not later than 40 days after the invoice amount is paid.

(ii)

(A) The Contractor shall support written demands for additional penalty payments with the following data. The Government will not request any additional data. The Contractor shall-

(1) Specifically assert that late payment interest is due under a specific invoice, and request payment of all overdue late payment interest penalty and such additional penalty as may be required;

(2) Attach a copy of the invoice on which the unpaid late payment interest is due; and

(3) State that payment of the principal has been received, including the date of receipt.

(B) If there is no postmark or the postmark is illegible-

(1) The designated payment office that receives the demand will annotate it with the date of receipt, provided the demand is received on or before the 40th day after payment was made; or

(2) If the designated payment office fails to make the required annotation, the Government will determine the demand's validity based on the date the Contractor has placed on the demand, provided such date is no later than the 40th day after payment was made.

(iii) The additional penalty does not apply to payments regulated by other Government regulations (e.g., payments under utility contracts subject to tariffs and regulation).

(b) Contract financing payment. If this contract provides for contract financing, the Government will make contract financing payments in accordance with the applicable contract financing clause.

(c) Fast payment procedure due dates. If this contract contains the clause at 52.213-1, Fast Payment Procedure, payments will be made within 15 days after the date of receipt of the invoice.

(d) Overpayments. If the Contractor becomes aware of a duplicate contract financing or invoice payment or that the Government has otherwise overpaid on a contract financing or invoice payment, the Contractor shall-

(1) Remit the overpayment amount to the payment office cited in the contract along with a description of the overpayment including the-

(i) Circumstances of the overpayment (e.g., duplicate payment, erroneous payment, liquidation errors, date(s) of overpayment);

(ii) Affected contract number and delivery order number if applicable;

(iii) Affected line item or subline item, if applicable; and

(iv) Contractor point of contact.

(2) Provide a copy of the remittance and supporting documentation to the Contracting Officer.

(End of clause)

52.239-1 Privacy or Security Safeguards. (Aug 1996)

As prescribed in 39.106 , insert a clause substantially the same as the following:

Privacy or Security Safeguards (Aug 1996)

(a) The Contractor shall not publish or disclose in any manner, without the Contracting Officer's written consent, the details of any safeguards either designed or developed by the Contractor under this contract or otherwise provided by the Government.

(b) To the extent required to carry out a program of inspection to safeguard against threats and hazards to the security, integrity, and confidentiality of Government data, the Contractor shall afford the Government access to the Contractor's facilities, installations, technical capabilities, operations, documentation, records, and databases.

(c) If new or unanticipated threats or hazards are discovered by either the Government or the Contractor, or if existing safeguards have ceased to function, the discoverer shall immediately bring the situation to the attention of the other party.

(End of clause)

52.243-6 Change Order Accounting. (Apr 1984)

As prescribed in 43.205(f), the contracting officer may insert a clause, substantially the same as follows:

Change Order Accounting (Apr 1984)

The Contracting Officer may require change order accounting whenever the estimated cost of a change or series of related changes exceeds $100,000. The Contractor, for each change or series of related changes, shall maintain separate accounts, by job order or other suitable accounting procedure, of all incurred segregable, direct costs (less allocable credits) of work, both changed and not changed, allocable to the change. The Contractor shall maintain such accounts until the parties agree to an equitable adjustment for the changes ordered by the Contracting Officer or the matter is conclusively disposed of in accordance with the Disputes clause.

(End of clause)

52.243-7 Notification of Changes. (Jan 2017)

As prescribed in 43.107 , insert the following clause:

Notification of Changes (Jan 2017)

(a) Definitions. "Contracting Officer," as used in this clause, does not include any representative of the Contracting Officer.

"Specifically Authorized Representative (SAR)," as used in this clause, means any person the Contracting Officer has so designated by written notice (a copy of which shall be provided to the Contractor) which shall refer to this paragraph and shall be issued to the designated representative before the SAR exercises such authority.

(b) Notice. The primary purpose of this clause is to obtain prompt reporting of Government conduct that the Contractor considers to constitute a change to this contract. Except for changes identified as such in writing and signed by the Contracting Officer, the Contractor shall notify the Administrative Contracting Officer in writing promptly, within 30 calendar days (to be negotiated) calendar days from the date that the Contractor identifies any Government conduct (including actions, inactions, and written or oral communications) that the Contractor regards as a change to the contract terms and conditions. On the basis of the most accurate information available to the Contractor, the notice shall state-

(1) The date, nature, and circumstances of the conduct regarded as a change;

(2) The name, function, and activity of each Government individual and Contractor official or employee involved in or knowledgeable about such conduct;

(3) The identification of any documents and the substance of any oral communication involved in such conduct;

(4) In the instance of alleged acceleration of scheduled performance or delivery, the basis upon which it arose;

(5) The particular elements of contract performance for which the Contractor may seek an equitable adjustment under this clause, including-

(i) What line items have been or may be affected by the alleged change;

(ii) What labor or materials or both have been or may be added, deleted, or wasted by the alleged change;

(iii) To the extent practicable, what delay and disruption in the manner and sequence of performance and effect on continued performance have been or may be caused by the alleged change;

(iv) What adjustments to contract price, delivery schedule, and other provisions affected by the alleged change are estimated; and

(6) The Contractor's estimate of the time by which the Government must respond to the Contractor's notice to minimize cost, delay or disruption of performance.

(c) Continued performance. Following submission of the notice required by paragraph (b) of this clause, the Contractor shall diligently continue performance of this contract to the maximum extent possible in accordance with its terms and conditions as construed by the Contractor, unless the notice reports a direction of the Contracting Officer or a communication from a SAR of the Contracting Officer, in either of which events the Contractor shall continue performance; provided, however, that if the Contractor regards the direction or communication as a change as described in paragraph (b) of this clause, notice shall be given in the manner provided. All directions, communications, interpretations, orders and similar actions of the SAR shall be reduced to writing promptly and copies furnished to the Contractor and to the Contracting Officer. The Contracting Officer shall promptly countermand any action which exceeds the authority of the SAR.

(d) Government response. The Contracting Officer shall promptly, within 30 calendar days (to be negotiated) calendar days after receipt of notice, respond to the notice in writing. In responding, the Contracting Officer shall either-

(1) Confirm that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further performance;

(2) Countermand any communication regarded as a change;

(3) Deny that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further performance; or

(4) In the event the Contractor's notice information is inadequate to make a decision under paragraphs (d)(1), (2), or (3) of this clause, advise the Contractor what additional information is required, and establish the date by which it should be furnished and the date thereafter by which the Government will respond.

(e) Equitable adjustments.

(1) If the Contracting Officer confirms that Government conduct effected a change as alleged by the Contractor, and the conduct causes an increase or decrease in the Contractor's cost of, or the time required for, performance of any part of the work under this contract, whether changed or not changed by such conduct, an equitable adjustment shall be made-

(i) In the contract price or delivery schedule or both; and

(ii) In such other provisions of the contract as may be affected.

(2) The contract shall be modified in writing accordingly. In the case of drawings, designs or specifications which are defective and for which the Government is responsible, the equitable adjustment shall include the cost and time extension for delay reasonably incurred by the Contractor in attempting to comply with the defective drawings, designs or specifications before the Contractor identified, or reasonably should have identified, such defect. When the cost of property made obsolete or excess as a result of a change confirmed by the Contracting Officer under this clause is included in the equitable adjustment, the Contracting Officer shall have the right to prescribe the manner of disposition of the property. The equitable adjustment shall not include increased costs or time extensions for delay resulting from the Contractor's failure to provide notice or to continue performance as provided, respectively, in paragraphs (b) and (c) of this clause.

Note: The phrases "contract price" and "cost" wherever they appear in the clause, may be appropriately modified to apply to cost-reimbursement or incentive contracts, or to combinations thereof.

(End of clause)

52.244-2 Subcontracts. (Jun 2020)

As prescribed in 44.204(a)(1), insert the following clause:

Subcontracts (Jun 2020)

(a) Definitions. As used in this clause-

"Approved purchasing system" means a Contractor's purchasing system that has been reviewed and approved in accordance with part 44 of the Federal Acquisition Regulation (FAR).

"Consent to subcontract" means the Contracting Officer's written consent for the Contractor to enter into a particular subcontract.

Subcontract means any contract, as defined in FAR subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.

(b) When this clause is included in a fixed-price type contract, consent to subcontract is required only on unpriced contract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (c) or (d) of this clause.

(c) If the Contractor does not have an approved purchasing system, consent to subcontract is required for any subcontract that-

(1) Is of the cost-reimbursement, time-and-materials, or labor-hour type; or

(2) Is fixed-price and exceeds-

(i) For a contract awarded by the Department of Defense, the Coast Guard, or the National Aeronautics and Space Administration, the greater of the simplified acquisition threshold, as defined in FAR 2.101 on the date of subcontract award, or 5 percent of the total estimated cost of the contract; or

(ii) For a contract awarded by a civilian agency other than the Coast Guard and the National Aeronautics and Space Administration, either the simplified acquisition threshold, as defined in FAR 2.101 on the date of subcontract award, or 5 percent of the total estimated cost of the contract.

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts:

none_____

(e)

(1) The Contractor shall notify the Contracting Officer reasonably in advance of placing any subcontract or modification thereof for which consent is required under paragraph (b), (c), or (d) of this clause, including the following information:

(i) A description of the supplies or services to be subcontracted.

(ii) Identification of the type of subcontract to be used.

(iii) Identification of the proposed subcontractor.

(iv) The proposed subcontract price.

(v) The subcontractor's current, complete, and accurate certified cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other contract provisions.

(vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.

(vii) A negotiation memorandum reflecting-

(A) The principal elements of the subcontract price negotiations;

(B) The most significant considerations controlling establishment of initial or revised prices;

(C) The reason certified cost or pricing data were or were not required;

(D) The extent, if any, to which the Contractor did not rely on the subcontractor's certified cost or pricing data in determining the price objective and in negotiating the final price;

(E) The extent to which it was recognized in the negotiation that the subcontractor's certified cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;

(F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and

(G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.

(2) The Contractor is not required to notify the Contracting Officer in advance of entering into any subcontract for which consent is not required under paragraph (b), (c), or (d) of this clause.

(f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to any subcontract nor approval of the Contractor's purchasing system shall constitute a determination-

(1) Of the acceptability of any subcontract terms or conditions;

(2) Of the allowability of any cost under this contract; or

(3) To relieve the Contractor of any responsibility for performing this contract.

(g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).

(h) The Contractor shall give the Contracting Officer immediate written notice of any action or suit filed and prompt notice of any claim made against the Contractor by any subcontractor or vendor that, in the opinion of the Contractor, may result in litigation related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.

(i) The Government reserves the right to review the Contractor's purchasing system as set forth in FAR subpart 44.3.

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations:

n/a (applies only to Firm-Fixed-Price CLIN(s))_____

(End of clause)

52.247-1 Commercial Bill of Lading Notations. (Feb 2006)

As prescribed in 47.104-4 , insert the following clause:

Commercial Bill of Lading Notations (Feb 2006)

When the Contracting Officer authorizes supplies to be shipped on a commercial bill of lading and the Contractor will be reimbursed these transportation costs as direct allowable costs, the Contractor shall ensure before shipment is made that the commercial shipping documents are annotated with either of the following notations, as appropriate:

(a) If the Government is shown as the consignor or the consignee, the annotation shall be:

Transportation is for the ____[name the specific agency] and the actual total transportation charges paid to the carrier(s) by the consignor or consignee are assignable to, and shall be reimbursed by, the Government.

(b) If the Government is not shown as the consignor or the consignee, the annotation shall be:

Transportation is for the ____[name the specific agency] and the actual total transportation charges paid to the carrier(s) by the consignor or consignee shall be reimbursed by the Government, pursuant to cost-reimbursement contract No. ____. This may be confirmed by contacting _____[Name and address of the contract administration office listed in the contract].

(End of clause)

52.247-67 Submission of Transportation Documents for Audit. (Feb 2006)

As prescribed in 47.103-2 , insert the following clause:

Submission of Transportation Documents for Audit (Feb 2006)

(a) The Contractor shall submit to the address identified below, for prepayment audit, transportation documents on which the United States will assume freight charges that were paid-

(1) By the Contractor under a cost-reimbursement contract; and

(2) By a first-tier subcontractor under a cost-reimbursement subcontract thereunder.

(b) Cost-reimbursement Contractors shall only submit for audit those bills of lading with freight shipment charges exceeding $100. Bills under $100 shall be retained on-site by the Contractor and made available for on-site audits. This exception only applies to freight shipment bills and is not intended to apply to bills and invoices for any other transportation services.

(c) Contractors shall submit the above referenced transportation documents to-

DCMA ACO - TBD____(applies only to Cost Plus Fixed-Fee CLIN(s), Cost CLIN(s), and/or Cost-Sharing CLIN(s))

[To be filled in by Contracting Officer]

(End of clause)

52.252-2 Clauses Incorporated by Reference. (Feb 1998)

As prescribed in 52.107(b), insert the following clause:

Clauses Incorporated By Reference (Feb 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

https://www.acquisition.gov/browse/index/far https://www.acquisition.gov/dfars https://www.acquisition.gov/daffars[Insert one or more Internet addresses]

(End of clause)

52.252-6 Authorized Deviations in Clauses. (Nov 2020)

As prescribed in 52.107(f), insert the following clause in solicitations and contracts that include any FAR or supplemental clause with an authorized deviation. Whenever any FAR or supplemental clause is used with an authorized deviation, the contracting officer shall identify it by the same number, title, and date assigned to the clause when it is used without deviation, include regulation name for any supplemental clause, except that the contracting officer shall insert "(DEVIATION)" after the date of the clause.

Authorized Deviations in Clauses (Nov 2020)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated

by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any Defense Federal Acquisition Regulation Supplement (DFARS)[insert regulation name] (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of clause)

DFARS Clauses Incorporated by Full Text

252.209-7010 Critical Safety Items. (Aug 2011)

As prescribed in 209.270-5, use the following clause:

CRITICAL SAFETY ITEMS (AUG 2011)

(a) Definitions.

"Aviation critical safety item" means a part, an assembly, installation equipment, launch equipment, recovery equipment, or support equipment for an aircraft or aviation weapon system if the part, assembly, or equipment contains a characteristic any failure, malfunction, or absence of which could cause-

(i) A catastrophic or critical failure resulting in the loss of, or serious damage to, the aircraft or weapon system;

(ii) An unacceptable risk of personal injury or loss of life; or

(iii) An uncommanded engine shutdown that jeopardizes safety.

"Design control activity" means-

(i) With respect to an aviation critical safety item, the systems command of a military department that is specifically responsible for ensuring the airworthiness of an aviation system or equipment, in which an aviation critical safety item is to be used; and

(ii) With respect to a ship critical safety item, the systems command of a military department that is specifically responsible for ensuring the seaworthiness of a ship or ship equipment, in which a ship critical safety item is to be used.

"Ship critical safety item" means any ship part, assembly, or support equipment containing a characteristic, the failure, malfunction, or absence of which could cause-

(i) A catastrophic or critical failure resulting in loss of, or serious damage to, the ship; or

(ii) An unacceptable risk of personal injury or loss of life.

(b) Identification of critical safety items. One or more of the items being procured under this contract is an aviation or ship critical safety item. The following items have been designated aviation critical safety items or ship critical safety items by the designated design control activity:

TBD

____

____

____

(Insert additional lines as necessary)

(c) Heightened quality assurance surveillance. Items designated in paragraph (b) of this clause are subject to heightened, risk-based surveillance by the designated quality assurance representative.

(End of clause)

252.211-7003 Item Unique Identification and Valuation. (Jan 2023)

As prescribed in 211.274-5(a), use the following clause:

ITEM UNIQUE IDENTIFICATION AND VALUATION (JAN 2023)

(a) Definitions. As used in this clause-

"Automatic identification device" means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

"Concatenated unique item identifier" means-

(1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or

(2) For items that are serialized within the original part, lot, or batch number, the linking together of the unique identifier data elements in order of the issuing agency code; enterprise identifier; original part, lot, or batch number; and serial number within the original part, lot, or batch number.

"Data matrix" means a two-dimensional matrix symbology, which is made up of square or, in some cases, round modules arranged within a perimeter finder pattern and uses the Error Checking and Correction 200 (ECC200) specification found within International Standards Organization (ISO) /International Electrotechnical Commission (IEC) 16022.

"Data qualifier" means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

"DoD recognized unique identification equivalent" means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at https://www.acq.osd.mil/asda/dpc/ce/ds/unique-id.html.

"DoD item unique identification" means a system of marking items delivered to DoD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

" Enterprise " means the entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

" Enterprise identifier" means a code that is uniquely assigned to an enterprise by an issuing agency.

"Government's unit acquisition cost" means-

(1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery;

(2) For cost-type or undefinitized line, subline, or exhibit line items, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery; and

(3) For items produced under a time-and-materials contract, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery.

"Issuing agency" means an organization responsible for assigning a globally unique identifier to an enterprise, as indicated in the Register of Issuing Agency Codes for ISO/IEC 15459, located at http://www.aimglobal.org/?Reg_Authority15459.

"Issuing agency code" means a code that designates the registration (or controlling) authority for the enterprise identifier.

"Item" means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

" Lot or batch number" means an identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.

"Machine-readable" means an automatic identification technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

"Original part number" means a combination of numbers or letters assigned by the enterprise at item creation to a class of items with the same form, fit, function, and interface.

"Parent item" means the item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

"Serial number within the enterprise identifier" means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

"Serial number within the part, lot, or batch number" means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part, lot, or batch number assignment.

"Serialization within the enterprise identifier" means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

"Serialization within the part, lot, or batch number" means each item of a particular part, lot, or batch number is assigned a unique serial number within that part, lot, or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot, or batch number within the enterprise identifier.

"Type designation" means a combination of letters and numerals assigned by the Government to a major end item, assembly or subassembly, as appropriate, to provide a convenient means of differentiating between items having the same basic name and to indicate modifications and changes thereto.

"Unique item identifier" means a set of data elements marked on items that is globally unique and unambiguous. The term includes a concatenated unique item identifier or a DoD recognized unique identification equivalent.

"Unique item identifier type" means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at https://www.acq.osd.mil/asda/dpc/ce/ds/unique-id.html.

(b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.

(c) Unique item identifier.

(1) The Contractor shall provide a unique item identifier for the following:

(i) Delivered items for which the Government's unit acquisition cost is $5,000 or more, except for the following line items:

Contract Line, Subline, or

Exhibit Line Item Number Item Description

TBD

____

____

(ii) Items for which the Government's unit acquisition cost is less than $5,000 that are identified in the Schedule or the following table:

Contract Line, Subline, or

Exhibit Line Item Number Item Description

TBD

____

____

(If items are identified in the Schedule, insert "See Schedule in this table.)

(iii) Subassemblies, components, and parts embedded within delivered items, items with warranty requirements, DoD serially managed reparables and DoD serially managed nonreparables as specified in Attachment Number TBD.

(iv) Any item of special tooling or special test equipment as defined in FAR 2.101 that have been designated for preservation and storage for a Major Defense Acquisition Program as specified in Attachment Number TBD.

(v) Any item not included in (i), (ii), (iii), or (iv) for which the contractor creates and marks a unique item identifier for traceability.

(2) The unique item identifier assignment and its component data element combination shall not be duplicated on any other item marked or registered in the DoD Item Unique Identification Registry by the contractor.

(3) The unique item identifier component data elements shall be marked on an item using two dimensional data matrix symbology that complies with ISO/IEC International Standard 16022, Information technology - International symbology specification - Data matrix; ECC200 data matrix specification.

(4) Data syntax and semantics of unique item identifiers. The Contractor shall ensure that-

(i) The data elements (except issuing agency code) of the unique item identifier are encoded within the data matrix symbol that is marked on the item using one of the following three types of data qualifiers, as determined by the Contractor:

(A) Application Identifiers (AIs) (Format Indicator 05 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology - EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(B) Data Identifiers (DIs) (Format Indicator 06 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology - EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(C) Text Element Identifiers (TEIs) (Format Indicator 12 of ISO/IEC International Standard 15434), in accordance with the Air Transport

Association Common Support Data Dictionary; and

(ii) The encoded data elements of the unique item identifier conform to the transfer structure, syntax, and coding of messages and data formats specified for Format Indicators 05, 06, and 12 in ISO/IEC International Standard 15434, Information Technology - Transfer Syntax for High Capacity Automatic Data Capture Media.

(5) Unique item identifier.

(i) The Contractor shall-

(A) Determine whether to-

(1) Serialize within the enterprise identifier;

(2) Serialize within the part, lot, or batch number; or

(3) Use a DoD recognized unique identification equivalent (e.g. Vehicle Identification Number); and

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; DoD recognized unique identification equivalent; and for serialization within the part, lot, or batch number only: original part, lot, or batch number) on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in MIL-STD-130, Identification Marking of U.S. Military Property, latest version;

(C) Label shipments, storage containers and packages that contain uniquely identified items in accordance with the requirements of MIL-STD-129, Military Marking for Shipment and Storage, latest version; and

(D) Verify that the marks on items and labels on shipments, storage containers, and packages are machine readable and conform to the applicable standards. The contractor shall use an automatic identification technology device for this verification that has been programmed to the requirements of Appendix A, MIL-STD-130, latest version.

(ii) The issuing agency code-

(A) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) For each item that requires item unique identification under paragraph (c)(1)(i), (ii), or (iv) of this clause or when item unique identification is provided under paragraph (c)(1)(v), in addition to the information provided as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the Contractor shall report at the time of delivery, as part of the Material Inspection and Receiving Report, the following information:

(1) Unique item identifier.

(2) Unique item identifier type.

(3) Issuing agency code (if concatenated unique item identifier is used).

(4) Enterprise identifier (if concatenated unique item identifier is used).

(5) Original part number (if there is serialization within the original part number).

(6) Lot or batch number (if there is serialization within the lot or batch number).

(7) Current part number (optional and only if not the same as the original part number).

(8) Current part number effective date (optional and only if current part number is used).

(9) Serial number (if concatenated unique item identifier is used).

(10) Government's unit acquisition cost.

(11) Unit of measure.

(12) Type designation of the item as specified in the contract schedule, if any.

(13) Whether the item is an item of Special Tooling or Special Test Equipment.

(14) Whether the item is covered by a warranty.

(e) For embedded subassemblies, components, and parts that require DoD item unique identification under paragraph (c)(1)(iii) of this clause or when item unique identification is provided under paragraph (c)(1)(v), the Contractor shall report as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

(1) Unique item identifier of the parent item under paragraph (c)(1) of this clause that contains the embedded subassembly, component, or part.

(2) Unique item identifier of the embedded subassembly, component, or part.

(3) Unique item identifier type.**

(4) Issuing agency code (if concatenated unique item

identifier is used).**

(5) Enterprise identifier (if concatenated unique item identifier is used).**

(6) Original part number (if there is serialization within the original part number).**

(7) Lot or batch number (if there is serialization within the lot or batch number).**

(8) Current part number (optional and only if not the same as the original part number).**

(9) Current part number effective date (optional and only if current part number is used).**

(10) Serial number (if concatenated unique item identifier is used).**

(11) Description.

** Once per item.

(f) The Contractor shall submit the information required by paragraphs (d) and (e) of this clause as follows:

(1) End items shall be reported using the receiving report capability in Wide Area WorkFlow (WAWF) in accordance with the clause at 252.232-7003. If WAWF is not required by this contract, and the contractor is not using WAWF, follow the procedures at http://dodprocurementtoolbox.com /site/uidregistry/.

(2) Embedded items shall be reported by one of the following methods-

(i) Use of the embedded items capability in WAWF;

(ii) Direct data submission to the IUID Registry following the procedures and formats at http://dodprocurementtoolbox.com/site/uidregistry/; or

(iii) Via WAWF as a deliverable attachment for exhibit line item number (fill in) TBD, Unique Item Identifier Report for Embedded Items, Contract Data Requirements List, DD Form 1423.

(g) Subcontracts. If the Contractor acquires by subcontract, any item(s) for which item unique identification is required in accordance with paragraph (c)(1) of this clause, the Contractor shall include this clause, including this paragraph (g), in the applicable subcontract(s), including subcontracts for commercial products or commercial services.

(End of clause)

252.217-7027 Contract Definitization. (May 2023)

As prescribed in 217.7406(b), use the following clause:

CONTRACT DEFINITIZATION (MAY 2023)

(a) A TBD per individual contract [insert specific type of contract action] is contemplated. The Contractor agrees to begin promptly negotiating with the Contracting Officer the terms of a definitive contract that will include-

(1) All clauses required by the Federal Acquisition Regulation (FAR) on the date of execution of the undefinitized contract action;

(2) All clauses required by law on the date of execution of the definitive contract action; and

(3) Any other mutually agreeable clauses, terms, and conditions.

(b) The Contractor agrees to submit a TBD per individual contract [insert type of proposal; e.g., fixed-price or cost-and-fee] proposal and certified cost or pricing data supporting its proposal. Notwithstanding FAR 52.216-26, Payments of Allowable Costs Before Definitization, failure to meet the qualifying proposal date in the contract definitization schedule could result in the Contracting Officer withholding an amount up to 5 percent of all subsequent requests for financing until the Contracting Officer determines that a proposal is qualifying.

(c) The schedule for definitizing this contract action is as follows [insert target date for definitization of the contract action and dates for submission of proposal, beginning of negotiations, and, if appropriate, submission of the make-or-buy and subcontracting plans and certified cost or pricing data]:

TBD per individual contract
____
____

(d) If agreement on a definitive contract action to supersede this undefinitized contract action is not reached by the target date in paragraph (c) of this clause, or within any extension of it granted by the Contracting Officer, the Contracting Officer may, with the approval of the head of the contracting activity, determine a reasonable price or fee in accordance with FAR subpart 15.4 and part 31, subject to Contractor appeal as provided in the Disputes clause. In any event, the Contractor shall proceed with completion of the contract, subject only to the Limitation of Government Liability clause.

(1) After the Contracting Officer's determination of price or fee, the contract shall be governed by-

(i) All clauses required by the FAR on the date of execution of this undefinitized contract action for either fixed-price or cost-reimbursement contracts, as determined by the Contracting Officer under this paragraph (e);

(ii) All clauses required by law as of the date of the Contracting Officer's determination; and

(iii) Any other clauses, terms, and conditions mutually agreed upon.

(2) To the extent consistent with paragraph (d)(1) of this clause, all clauses, terms, and conditions included in this undefinitized contract action shall continue in effect, except those that by their nature apply only to an undefinitized contract action.

(e) The definitive contract resulting from this undefinitized contract action will include a negotiated TBD per individual contract [insert "cost/price ceiling" or "firm-fixed price"] in no event to exceed 0.00 [insert the not-to-exceed amount].

(End of clause)

252.223-7001 Hazard Warning Labels. (Dec 1991)

As prescribed in 223.303, use the following clause:

HAZARD WARNING LABELS (DEC 1991)

(a) "Hazardous material," as used in this clause, is defined in the Hazardous Material Identification and Material Safety Data clause of this contract.

(b) The Contractor shall label the item package (unit container) of any hazardous material to be delivered under this contract in accordance with the Hazard Communication Standard (29 CFR 1910.1200 et seq). The Standard requires that the hazard warning label conform to the requirements of the standard unless the material is otherwise subject to the labelling requirements of one of the following statutes:

(1) Federal Insecticide, Fungicide and Rodenticide Act;

(2) Federal Food, Drug and Cosmetics Act;

(3) Consumer Product Safety Act;

(4) Federal Hazardous Substances Act; or

(5) Federal Alcohol Administration Act.

(c) The Offeror shall list which hazardous material listed in the Hazardous Material Identification and Material Safety Data clause of this contract will be labelled in accordance with one of the Acts in paragraphs (b)(1) through (5) of this clause instead of the Hazard Communication Standard. Any hazardous material not listed will be interpreted to mean that a label is required in accordance with the Hazard Communication Standard.

MATERIAL (If None, Insert "None.")	ACT
____	____
____	____
____	____

(d) The apparently successful Offeror agrees to submit, before award, a copy of the hazard warning label for all hazardous materials not listed in paragraph (c) of this clause. The Offeror shall submit the label with the Material Safety Data Sheet being furnished under the Hazardous Material Identification and Material Safety Data clause of this contract.

(e) The Contractor shall also comply with MIL-STD-129, Marking for Shipment and Storage (including revisions adopted during the term of this contract).

(End of clause)

252.234-7002 Earned Value Management System (DEVIATION 2015-O0017) (May 2011) Deviation 2015-O0017 (Sep 2015)

252.234-7002 Earned Value Management System.

As prescribed in 234.203(2), use the following clause:

EARNED VALUE MANAGEMENT SYSTEM (DEVIATION 2015-O0017)(SEP 2015)

(a) Definitions. As used in this clause--

“Acceptable earned value management system” means an earned value management system that generally complies with system criteria in paragraph (b) of this clause.

“Earned value management system” means an earned value management system that complies with the earned value management system guidelines in the ANSI/EIA-748.

“Significant deficiency” means a shortcoming in the system that materially affects the ability of officials of the Department of Defense to rely upon information produced by the system that is needed for management purposes.

(b) System criteria. In the performance of this contract, the Contractor shall use-

(1) An Earned Value Management System (EVMS) that complies with the EVMS guidelines in the American National Standards Institute/Electronic Industries Alliance Standard 748, Earned Value Management Systems (ANSI/EIA-748); and

(2) Management procedures that provide for generation of timely, reliable, and verifiable information for the Contract Performance Report (CPR) and the Integrated Master Schedule (IMS) required by the CPR and IMS data items of this contract.

(c) If this contract has a value of $100 million or more, the Contractor shall use an EVMS that has been determined to be acceptable by the Cognizant Federal Agency (CFA). If, at the time of award, the Contractor's EVMS has not been determined by the CFA to be in compliance with the EVMS guidelines as stated in paragraph (b)(1) of this clause, the Contractor shall apply its current system to the contract and shall take necessary actions to meet the milestones in the Contractor's EVMS plan.

(d) If this contract has a value of less than $100 million, the Government will not make a formal determination that the Contractor's EVMS complies with the EVMS guidelines in ANSI/EIA-748 with respect to the contract. The use of the Contractor's EVMS for this contract does not imply a Government determination of the Contractor's compliance with the EVMS guidelines in ANSI/EIA-748 for application to future contracts. The Government will allow the use of a Contractor's EVMS that has been formally reviewed and determined by the CFA to be in compliance with the EVMS guidelines in ANSI/EIA-748.

(e) The Contractor shall submit notification of any proposed substantive changes to the EVMS procedures and the impact of those changes to the CFA. If this contract has a value of $100 million or more, unless a waiver is granted by the CFA, any EVMS changes proposed by the Contractor require approval of the CFA prior to implementation. The CFA will advise the Contractor of the acceptability of such changes as soon as practicable (generally within 30 calendar days) after receipt of the Contractor's notice of proposed changes. If the CFA waives the advance approval requirements, the Contractor shall disclose EVMS changes to the CFA at least 14 calendar days prior to the effective date of implementation.

(f) The Government will schedule integrated baseline reviews as early as practicable, and the review process will be conducted not later than 180 calendar days after-

(1) Contract award;

(2) The exercise of significant contract options; and

(3) The incorporation of major modifications.

During such reviews, the Government and the Contractor will jointly assess the Contractor's baseline to be used for performance measurement to ensure complete coverage of the statement of work, logical scheduling of the work activities, adequate resourcing, and identification of inherent risks.

(g) The Contractor shall provide access to all pertinent records and data requested by the Contracting Officer or duly authorized representative as necessary to permit Government surveillance to ensure that the EVMS complies, and continues to comply, with the performance criteria referenced in paragraph (b) of this clause.

(h) When indicated by contract performance, the Contractor shall submit a request for approval to initiate an over-target baseline or over-target schedule to the Contracting Officer. The request shall include a top-level projection of cost and/or schedule growth, a determination of whether or not performance variances will be retained, and a schedule of implementation for the rebaselining. The Government will acknowledge receipt of the request in a timely manner (generally within 30 calendar days).

(i) Significant deficiencies. (1) The Contracting Officer will provide an initial determination to the Contractor, in writing, of any significant deficiencies. The initial determination will describe the deficiency in sufficient detail to allow the Contractor to understand the deficiency.

(2) The Contractor shall respond within 30 days to a written initial determination from the Contracting Officer that identifies significant deficiencies in the Contractor's EVMS. If the Contractor disagrees with the initial determination, the Contractor shall state, in writing, its rationale for disagreeing.

(3) The Contracting Officer will evaluate the Contractor's response and notify the Contractor, in writing, of the Contracting Officer's final determination concerning-

(i) Remaining significant deficiencies;

(ii) The adequacy of any proposed or completed corrective action;

(iii) System noncompliance, when the Contractor's existing EVMS fails to comply with the earned value management system guidelines in the ANSI /EIA-748; and

(iv) System disapproval, if initial EVMS validation is not successfully completed within the timeframe approved by the Contracting Officer, or if the Contracting Officer determines that the Contractor's earned value management system contains one or more significant deficiencies in high-risk guidelines in ANSI/EIA-748 standards (guidelines 1, 3, 6, 7, 8, 9, 10, 12, 16, 21, 23, 26, 27, 28, 30, or 32). When the Contracting Officer determines that the existing earned value management system contains one or more significant deficiencies in one or more of the remaining 16 guidelines in ANSI /EIA-748 standards, the Contracting Officer will use discretion to disapprove the system based on input received from functional specialists and the auditor.

(4) If the Contractor receives the Contracting Officer's final determination of significant deficiencies, the Contractor shall, within 45 days of receipt of the final determination, either correct the significant deficiencies or submit an acceptable corrective action plan showing milestones and actions to eliminate the significant deficiencies.

(j) Withholding payments. If the Contracting Officer makes a final determination to disapprove the Contractor's EVMS, and the contract includes the clause at 252.242-7005, Contractor Business Systems, the Contracting Officer will withhold payments in accordance with that clause.

(k) With the exception of paragraphs (i) and (j) of this clause, the Contractor shall require its subcontractors to comply with EVMS requirements as follows:

(1) For subcontracts valued at $100 million or more, the following subcontractors shall comply with the requirements of this clause:

[Contracting Officer to insert names of subcontractors (or subcontracted effort if subcontractors have not been selected) designated for application of the EVMS requirements of this clause.]

TBD
____
____
____

(2) For subcontracts valued at less than $100 million, the following subcontractors shall comply with the requirements of this clause, excluding the requirements of paragraph (c) of this clause:

[Contracting Officer to insert names of subcontractors (or subcontracted effort if subcontractors have not been selected) designated for application of the EVMS requirements of this clause.]

TBD
____
____
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(End of clause)

252.235-7010 Acknowledgment of Support and Disclaimer. (May 1995)

As prescribed in 235.072(c), use the following clause:

ACKNOWLEDGMENT OF SUPPORT AND DISCLAIMER (MAY 1995)

(a) The Contractor shall include an acknowledgment of the Government's support in the publication of any material based on or developed under this contract, stated in the following terms: This material is based upon work supported by the United States Air Force(name of contracting agency(ies)) under Contract No. (see Block 2 of the Standard Form 33)(Contracting agency(ies) contract number(s)).

(b) All material, except scientific articles or papers published in scientific journals, must, in addition to any notices or disclaimers by the Contractor, also contain the following disclaimer: Any opinions, findings and conclusions or recommendations expressed in this material are those of the author (s) and do not necessarily reflect the views of the United States Air Force(name of contracting agency(ies)).

(End of clause)

252.247-7023 Transportation of Supplies by Sea. (Jan 2023)

Basic. As prescribed in 247.574(b) and (b)(1), use the following clause:

TRANSPORTATION OF SUPPLIES BY SEA-BASIC (JAN 2023)

(a) Definitions. As used in this clause-

"Components" means articles, materials, and supplies incorporated directly into end products at any level of manufacture, fabrication, or assembly by the Contractor or any subcontractor.

"Department of Defense" (DoD) means the Army, Navy, Air Force, Marine Corps, and defense agencies.

"Foreign-flag vessel" means any vessel that is not a U.S.-flag vessel.

"Ocean transportation" means any transportation aboard a ship, vessel, boat, barge, or ferry through international waters.

"Subcontractor" means a supplier, materialman, distributor, or vendor at any level below the prime contractor whose contractual obligation to perform results from, or is conditioned upon, award of the prime contract and who is performing any part of the work or other requirement of the prime contract.

"Supplies" means all property, except land and interests in land, that is clearly identifiable for eventual use by or owned by the DoD at the time of transportation by sea.

(i) An item is clearly identifiable for eventual use by the DoD if, for example, the contract documentation contains a reference to a DoD contract number or a military destination.

(ii) "Supplies" includes (but is not limited to) public works; buildings and facilities; ships; floating equipment and vessels of every character, type, and description, with parts, subassemblies, accessories, and equipment; machine tools; material; equipment; stores of all kinds; end items; construction materials; and components of the foregoing.

"U.S.-flag vessel" means a vessel of the United States or belonging to the United States, including any vessel registered or having national status under the laws of the United States.

(b)(1) The Contractor shall use U.S.-flag vessels when transporting any supplies by sea under this contract.

(2) A subcontractor transporting supplies by sea under this contract shall use U.S.-flag vessels if-

(i) This contract is a construction contract; or

(ii) The supplies being transported are-

(A) Other than commercial products; or

(B) Commercial products that-

(1) The Contractor is reselling or distributing to the Government without adding value (generally, the Contractor does not add value to items that it subcontracts for f.o.b. destination shipment);

(2) Are shipped in direct support of U.S. military contingency operations, exercises, or forces deployed in humanitarian or peacekeeping operations; or

(3) Are commissary or exchange cargoes transported outside of the Defense Transportation System in accordance with 10 U.S.C. 2643.

(c) The Contractor and its subcontractors may request that the Contracting Officer authorize shipment in foreign-flag vessels, or designate available U.S.-flag vessels, if the Contractor or a subcontractor believes that-

(1) U.S.-flag vessels are not available for timely shipment;

(2) The freight charges are inordinately excessive or unreasonable; or

(3) Freight charges are higher than charges to private persons for transportation of like goods.

(d) The Contractor must submit any request for use of foreign-flag vessels in writing to the Contracting Officer at least 45 days prior to the sailing date necessary to meet its delivery schedules. The Contracting Officer will process requests submitted after such date(s) as expeditiously as possible, but the Contracting Officer's failure to grant approvals to meet the shipper's sailing date will not of itself constitute a compensable delay under this or any other clause of this contract. Requests shall contain at a minimum-

(1) Type, weight, and cube of cargo;

(2) Required shipping date;

(3) Special handling and discharge requirements;

(4) Loading and discharge points;

(5) Name of shipper and consignee;

(6) Prime contract number; and

(7) A documented description of efforts made to secure U.S.-flag vessels, including points of contact (with names and telephone numbers) with at least two U.S.-flag carriers contacted. Copies of telephone notes, telegraphic and facsimile message or letters will be sufficient for this purpose.

(e) The Contractor shall, within 30 days after each shipment covered by this clause, provide the Contracting Officer and the Maritime Administration, Office of Cargo Preference, U.S. Department of Transportation, 400 Seventh Street SW, Washington, DC 20590, one copy of the rated on board vessel operating carrier's ocean bill of lading, which shall contain the following information:

(1) Prime contract number;

(2) Name of vessel;

(3) Vessel flag of registry;

(4) Date of loading;

(5) Port of loading;

(6) Port of final discharge;

(7) Description of commodity;

(8) Gross weight in pounds and cubic feet if available;

(9) Total ocean freight in U.S. dollars; and

(10) Name of steamship company.

(f) If this contract exceeds the simplified acquisition threshold, the Contractor shall provide with its final invoice under this contract a representation that to the best of its knowledge and belief-

(1) No ocean transportation was used in the performance of this contract;

(2) Ocean transportation was used and only U.S.-flag vessels were used for all ocean shipments under the contract;

(3) Ocean transportation was used, and the Contractor had the written consent of the Contracting Officer for all foreign-flag ocean transportation; or

(4) Ocean transportation was used and some or all of the shipments were made on foreign-flag vessels without the written consent of the Contracting Officer. The Contractor shall describe these shipments in the following format:

ITEM DESCRIPTION	CONTRACT LINE ITEMS	QUANTITY
TOTAL		

(g) If this contract exceeds the simplified acquisition threshold and the final invoice does not include the required representation, the Government will reject and return it to the Contractor as an improper invoice for the purposes of the Prompt Payment clause of this contract. In the event there has been unauthorized use of foreign-flag vessels in the performance of this contract, the Contracting Officer is entitled to equitably adjust the contract, based on the unauthorized use.

(h) If the Contractor indicated in response to the solicitation provision, Representation of Extent of Transportation by Sea, that it did not anticipate transporting by sea any supplies; however, after the award of this contract, the Contractor learns that supplies will be transported by sea, the Contractor shall-

(1) Notify the Contracting Officer of that fact; and

(2) Comply with all the terms and conditions of this clause.

(i) Subcontracts. In the award of subcontracts, for the types of supplies described in paragraph (b)(2) of this clause, including subcontracts for commercial products, the Contractor shall flow down the requirements of this clause as follows:

(1) The Contractor shall insert the substance of this clause, including this paragraph (i), in subcontracts that exceed the simplified acquisition threshold in part 2 of the Federal Acquisition Regulation.

(2) The Contractor shall insert the substance of paragraphs (a) through (e) of this clause, and this paragraph (i), in subcontracts that are at or below the simplified acquisition threshold in part 2 of the Federal Acquisition Regulation.

(End of clause)

Supplemental Clauses Incorporated by Full Text

5352.201-9101 AFRL-PK Ombudsman (Jul 2023)

(a) An ombudsman has been appointed to hear and facilitate the resolution of concerns from offerors, potential offerors, and others for this acquisition. When requested, the ombudsman will maintain strict confidentiality as to the source of the concern. The existence of the ombudsman does not affect the authority of the program manager, contracting officer, or source selection official. Further, the ombudsman does not participate in the evaluation of proposals, the source selection process, or the adjudication of protests or formal contract disputes. The ombudsman may refer the interested party to another official who can resolve the concern.

(b) Before consulting with an ombudsman, interested parties must first address their concerns, issues, disagreements, and/or recommendations to the contracting officer for resolution. Consulting an ombudsman does not alter or postpone the timelines for any other processes (e.g., agency level bid protests, GAO bid protests, requests for debriefings, employee-employer actions, contests of OMB Circular A-76 competition performance decisions).

(c) If resolution cannot be made by the contracting officer, the interested party may contact the ombudsman,

Ombudsman: AFRL/PK Director

Alternate Ombudsman: AFRL/PK Deputy Director

1864 4th Street

WPAFB OH 45433

Phone: (937) 904-9700

FAX: (937) 656-7321

Email: Afrl.pk.workflow@us.af.mil

Concerns, issues, disagreements, and recommendations that cannot be resolved at the Center/MAJCOM/DRU/SMC ombudsman level, may be brought by the interested party for further consideration to the Air Force ombudsman, Associate Deputy Assistant Secretary (ADAS) (Contracting), SAF/AQC, 1060 Air Force Pentagon, Washington DC 20330-1060, phone number (571) 256-2395, facsimile number (571) 256-2431.

(d) The ombudsman has no authority to render a decision that binds the agency.

(e) Do not contact the ombudsman to request copies of the solicitation, verify offer due date, or clarify technical requirements. Such inquiries shall be directed to the contracting officer.

(End of clause)

5352.223-9000 Elimination of Use of Class I Ozone Depleting Substances (ODS) (Jul 2023)

(a) Contractors shall not:

(1) Provide any service or product with any specification, standard, drawing, or other document that requires the use of a Class I ODS in the test, operation, or maintenance of any system, subsystem, item, component, or process; or

(2) Provide any specification, standard, drawing, or other document that establishes a test, operation, or maintenance requirement that can only be met by use of a Class I ODS as part of this contract/order.

[Note: This prohibition does not apply to manufacturing.]

(b) For the purposes of Air Force policy, the following products that are pure (i.e., they meet the relevant product specification identified in AFI 32-7086) are Class I ODSs:

(1) Halons: 1011, 1202, 1211, 1301, and 2402;

(2) Chlorofluorocarbons (CFCs): CFC-11, CFC-12, CFC-13, CFC-111, CFC-112, CFC-113, CFC-114, CFC-115, CFC-211, CFC-212, CFC-213, CFC-214, CFC-215, CFC-216, and CFC-217, and the blends R-500, R-501, R-502, and R-503; and

(3) Carbon Tetrachloride, Methyl Chloroform, and Methyl Bromide.

[NOTE: Material that uses one or more of these Class I ODSs as minor constituents do not meet the Air Force definition of a Class I ODS.]

(End of clause)

Section J - List of Attachments

Number	Attachment Name	Attachment Description	Reference Identifier	Date	Line Item
01	Attachment 1_Statement of Work (SOW)	Statement of Work		31 May 2024	
02	Attachment 2_Statement of Work Supplemental Requirements	Statement of Work		31 May 2024	
03	Attachment 3_DD Form 254 Contract Security Classification Specification	Contract Security Classification Specification (DD 254)		31 May 2024	
04	Attachment 4_Individual Small Business Subcontracting Plan	Small Business Subcontracting Plan		31 May 2024	
05	Attachment 5_DFARS PGI 204.7108b2 Payment Instructions	Payment and Performance Bond		31 May 2024	
06	Attachment 6_AFRL ANSI NISO Based Guide	Contract Data Requirements List (CDRL)		31 May 2024	
07	Attachment 7_SF 298	Contract Data Requirements List (CDRL)		31 May 2024	

STATEMENT OF WORK

Placeholder

DATE

1.0 Objective:
Insert Objective here

2.0 Scope:
Insert Scope here

3.0 Tasks:
Insert Tasks here

4.0 Operational Security (OPSEC):
Operations Security (OPSEC) must be an integral part of our daily activities. As the Contractor maintains security on future technologies that are vital to national interest, the Contractor must recognize and prepare for the threat poised against such technology. Department of Defense policies mandate a high degree of security throughout the acquisition process.

However, heightened security awareness and threat-based countermeasures are particularly essential during the research and development phase when our technology is most vulnerable to espionage, sabotage, or exploitation. It is the obligation of each employee or person involved in execution of this SOW to be constantly aware of and strictly adhere to security requirements designed to protect sensitive unclassified and other information and resources produced by acquisition, research and development, and technological security efforts outlined in this SOW. The Contractor shall ensure employees receive training and follow appropriate OPSEC measures during the performance of the resulting contract.

STATEMENT OF WORK (SOW)

SUPPLEMENTAL REQUIREMENTS (AFRL/PZL)

Placeholder

DD FORM 254 CONTRACT SECURITY CLASSIFICATION SPECIFICATION

Placeholder

INDIVIDUAL SMALL BUSINESS SUBCONTRACTING PLAN

Placeholder

DATE

If applicable, as required by FAR 19.702

Must contain requirements prescribed in FAR 19.704

DFARS PGI 204.7108(b)(2) Payment Instructions

The payment office shall allocate and record the amounts paid to the accounting classification citations in the contract using the table below based on the type of payment request submitted (see DFARS 252.232-7006) and the type of effort.

Contract/Order Payment Clause	Type of Payment Request	Supply	Service	Construction	Payment Office Allocation Method
52.212-4 (Alt I), Contract Terms and Conditions—Commercial Items 52.216-7, Allowable Cost and Payment 52.232-7, Payments under Time-and-Materials and Labor-Hour Contracts	Cost Voucher	X	X	N/A	Line item specific proration. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated in the same proportion as the amount of funding currently unliquidated for each ACRN on the deliverable line or deliverable subline item for which payment is requested.
52.232-1, Payments	Navy Shipbuilding Invoice (Fixed Price)	X	N/A	N/A	Line Item specific by fiscal year. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated using the oldest funds. In the event of a deliverable line or deliverable subline item with two ACRNs with the same fiscal year, those amounts will be prorated to the available unliquidated funds for that year.
52.232-1, Payments; 52.232-2, Payments under Fixed-Price Research and	Invoice	X	X	N/A	Line Item Specific proration. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated in the same proportion as

Development Contracts; 52.232-3, Payments under Personal Services Contracts; 52.232-4, Payments under Transportation Contracts and Transportation-Related Services Contracts; and 52.232-6, Payments under Communication Service Contracts with Common Carriers					the amount of funding currently unliquidated for each ACRN on the deliverable line or deliverable subline item for which payment is requested.
52.232-5, Payments Under Fixed-Price Construction Contracts	Construction Payment Invoice	N/A	N/A	X	Line Item specific by fiscal year. If there is more than one ACRN within a deliverable line or deliverable subline item, the funds will be allocated using the oldest funds. In the event of a deliverable line or deliverable subline item with two ACRNs with the same fiscal year, those amounts will be prorated to the available unliquidated funds for that year.
52.232-16, Progress Payments	Progress Payment*	X	X	N/A	Contract-wide proration. Funds shall be allocated in the same proportion as the amount of funding currently unliquidated for each ACRN. Progress Payments are considered contract level financing, and the “contract price” shall reflect the fixed price

					portion of the contract per FAR 32.501-3.
52.232-29, Terms for Financing of Purchases of Commercial Items; 52.232-30, Installment Payments for Commercial Items	Commercial Item Financing*	X	X	N/A	Specified in approved payment. The contracting officer shall specify the amount to be paid and the account(s) to be charged for each payment approval in accordance with FAR 32.207(b)(2) and 32.1007(b)(2).
52.232-32, Performance-Based Payments	Performance-Based Payments*	X	X	N/A	Specified in approved payment. The contracting officer shall specify the amount to be paid and the account(s) to be charged for each payment approval in accordance with FAR 32.207(b)(2) and 32.1007(b)(2).
252.232-7002, Progress Payments for Foreign Military Sales Acquisitions	Progress Payment*	X	X	N/A	Allocate costs among line items and countries in a manner acceptable to the Administrative Contracting Officer.

*Liquidation of Financing Payments. Liquidation will be applied by the payment office against those ACRNs which are identified by the payment instructions for the delivery payment and in keeping with the liquidation provision of the applicable contract financing clause (i.e., progress payment, performance-based payment, or commercial item financing).

AIR FORCE RESEARCH LABORATORY (AFRL) AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)/ NATIONAL INFORMATION STANDARDS ORGANIZATION (NISO)-BASED GUIDE TO FORMATTING TECHNICAL REPORTS

February 2018

HEADQUARTERS AFRL
DIRECTOR OF STAFF
INTEGRATION AND OPERATIONS DIVISION
INFORMATION MANAGEMENT
WRIGHT-PATTERSON AFB, OH 45433

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1.0 COMPONENTS OF A TECHNICAL REPORT

The United States Air Force uses ANSI/NISO Z39.18 as a formatting guide for technical reports. This guidance highlights fundamental formatting recommendations addressed in the ANSI/NISO standard, as shown in Table 1. Full component descriptions are available in the ANSI/NISO Z39.18 which can be found at the link below:
http://groups.niso.org/apps/group_public/download.php/12038/Z39_18_2005_R2010

Table 1. Components of a Technical Report

COMPONENT	RESPONSIBLE PARTY	INCLUSION STATUS
FRONT MATTER (page numbering sequentially with Roman numerals beginning with Table of Contents)		
Cover or Title	Government Work Unit Manager (WUM)	***Required***
Notice and Signature Page	Government WUM	***Required***
Notice to Accompany the Dissemination of Export-Controlled Technical Data (See Appendix B)	**Defense Technical information Center (DTIC) will add this to technical report.**	
Standard Form (SF) 298, *Report Documentation Page*	Report Author	***Required***
Table of Contents	Report Author	***Required***
List(s) of Figures and Tables	Report Author	Conditional *(include when there are more than five figures and/or tables)*
Foreword	Report Author	Optional
Preface	Report Author	Optional
Acknowledgements	Report Author	Optional
BODY (page numbering sequentially beginning with the Arabic numeral 1)		
Summary	Report Author	***Required***
Introduction	Report Author	***Required***
Methods, Assumptions, and Procedures	Report Author	***Required***
Results and Discussion	Report Author	***Required***
Conclusions	Report Author	***Required***
Recommendations	Report Author	Conditional *(include when purpose of report is to suggest a course of action)*
References	Report Author	Conditional (use if references are provided)
BACK MATTER (page numbering continues sequentially from body of report)		
Appendices	Report Author	Conditional ***(Include when needed to supplement Results and Discussion)***
Bibliography	Report Author	Conditional
List of Symbols, Abbreviations, and Acronyms	Report Author	Conditional ***(include if used in any other component of the report)***
Glossary of Terminology	Report Author	Conditional ***(Include if report incorporates terms unfamiliar to the intended audience)***
Index	Report Author	Optional
Distribution List	Report Author/Government WUM	Conditional ***(Some technology directorates control access)***
Back Cover	Report Author	Required for classified reports only

2.0 FRONT MATTER

2.1 Cover Page (see Table 2 and Figure 1)

- AFRL Shield, upper left-hand corner
- Technical Report Document Number
- Main Title
- Subtitle (if applicable)
- Author Name(s) (First Name/Last Name)
- Wing/Technical Directorate or Prime Contractor Company Name (address can be added. Just be consistent).
- Subcontractor Company Name (if applicable) (address can be added, just be consistent).
- Report Date (Month followed by four-digit year)
- Type of Report (interim or final)
- Distribution Statement and reasons for the statement's assignment (see Department of Defense Instruction (DoDI) 5230.24).
- Warning Statement for Export Control (if applicable)
- Destruction Notice
- Pointer Text to other limits
- Notice of Copyright (if applicable)
- Sponsoring Directorate

Table 2. Cover Page Elements

Component	Explanation
AFRL Shield	Located in upper left-hand corner.
Technical Report Number	Assigned by the directorate Science & Technical Information (STINFO) Office upon receipt.
Main Title	Accurate and specific to describe the contents of the report.
Subtitle	If applicable; Used for a delivery or task order (DO-TO) or volume title in a series.
Author Name(s)	Full names to include middle initial(s).
Company Name	Primary performing company name.
Report Date	Month and four-digit year.
Special Report Type	i.e., Small Business Innovative Research (SBIR), Small Business Technology Transfer (STTR) Broad Agency Announcement (BAA), etc.
Distribution Statement	Per the contract.
Data Rights Notice	Whenever Proprietary Information appears as a reason in a distribution statement, a description of the type of data rights in the report is provided parenthetically after the reason- Limited Rights Data, SBIR Data Rights, Government Purpose Rights Data Restricted Rights, etc.
Warning	Standard export control warning (if applicable)
Destruction Notice	Standard destruction notice, one for unclassified data and a different one for classified data.
Copy Right Notice	Asserted copyrights, if any.
Classification Caveats	For classified documents, derived from and declassification information.
Sponsoring Directorate	Address supplied by your local STINFO Office.

AFRL-RH-WP-TR-2017-XXXX

Be consistent with the font size (i.e., Main Title-16 pt/Bold, all caps; Subtitle- 14 pt/bold)

MAIN TITLE

Subtitle *(if applicable)*

Author(s) First name/Last name

Contractor Company Name *(if applicable)*

Author(s) First name/Last name

Subcontractor Company Name *(if applicable)*

Month/Year

Final Report

THIS IS A SMALL BUSINESS INNOVATION RESEARCH (SBIR) PHASE I REPORT

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AIR FORCE RESEARCH LABORATORY
711TH HUMAN PERFORMANCE WING
AIRMAN SYSTEMS DIRECTORATE
WRIGHT-PATTERSON AIR FORCE BASE, OH 45433
AIR FORCE MATERIEL COMMAND
UNITED STATES AIR FORCE

Figure 1. Sample of a Cover Sheet

2.2 Pages Following Coversheet

- The appropriate Notice Page or Pages (see Appendix A).
- Standard Form (SF) 298, *Report Document Page* (see Figure 2).
- Typically, three sections follow the SF 298 in this succession: Table of Contents, List of Figures, and List of Tables.

2.2.1. SF 298

The accuracy and completeness of the SF 298 are critical to the report so that the document will be more easily retrieved from Defense Technical Information (DTIC) or other databases. The Contractor/Author shall complete Blocks 1 – 5b, 6 – 8, 12 – 15 of SF 298 and submit per Contract Data Requirements List (CDRL) requirements. See Table 3 and Figure 2. Here is the link for SF 298: https://app_gsagov_prod_rdcgwaajp7wr.s3.amazonaws.com/SF%20298.pdf

Table 3. Explanation of SF 298 Components

Block No./Component	Explanation
1 Report Date	Month/year of the report, typically the month of or following the ending period of the performance month. Ensure this date matches the date on the cover.
2 Report Type	Final or Interim
3 Dates Covered (From-To)	The period during which the technical effort was performed.
4 Title/Subtitle	Should match the cover title/subtitle. Use a distinctive title and subtitle that distinguished the report from others that cover the same general topic, as when more than one report is produced that has the same overall title.
5a – 5b Contract and funding information	Information should be in the contract. If not, the AFRL Program Manager (PM) or STINFO Officer/Liaison will provide.
5c – 5f Contract information	AFRL WUM or STINFO Officer/Liaison will provide.
6. Authors	The author or authors' first and last names (initials are acceptable)
7. Performing Organization Name(s) and Address(es)	The organization(s) or company(ies) that performed the work. Most commonly, the name and address of only the prime contractor appears here.
8. Performing Organization Report Number	The number assigned to the document by the contractor or if in-house-authored, the number assigned to the document (see Block 11 description)
9. Sponsoring/Monitoring Agency (Name(s) and Address(es)	The organization providing technical oversight for the contract. Occasionally, an effort is co-sponsored, such as when an effort is co-funded by multiple government agencies, such as a division within the Defense Advanced Research Projects Agency (DARPA)
10. Sponsoring/Monitoring Agency Acronym(s)	Branch-level AFRL symbol or other controlling Department of Defense (DoD) office (CDO) descriptive acronym.
11. Sponsoring/Monitoring Agency Report Number(s)	The complete AFRL document number assigned by the directorate STINFO. Ex: AFRL-RD-PS-TR-2017-0010-TR
12. Distribution/Availability Statement	See Appendix A.
13. Supplementary Notes	Export control notice; SBIR information; references to previous editions or related volumes; copyright notice; special grant numbers; references to related documents, etc.
14. Abstract	The overall purpose of the research and/or its applications, including major results and conclusions
15. Subject Terms	Terms and key words that make the report accessible, making it appear in search retrieval lists.
16. Security Classification	The classification of the whole document.
17. Limitation of Abstract	Same as report (SAR) (Enter SAR)
18. Number of Pages	Total number of pages including front matter.
19a. Name of Responsible Person	Controlling DoD PM.
19b. Telephone Number	Controlling DoD PM. (Leave blank for Distribution A documents)

SAMPLE REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.**

1. REPORT DATE *(DD-MM-YYYY)*
11/10/2016

2. REPORT TYPE
FINAL

3. DATES COVERED *(From - To)*
03 March 2015 – 11 December 2017

4. TITLE AND SUBTITLE
Comparative Assessment of Torso and Seat Mounted Restraint Systems

(Ensure this title matches the cover sheet title)

5a. CONTRACT NUMBER
FA8650-15-D-1111

5b. GRANT NUMBER

5c. PROGRAM ELEMENT NUMBER
65502F

6. AUTHOR(S)
First Name(s)/Last Name(s)

5d. PROJECT NUMBER
3005

5e. TASK NUMBER
0001

5f. WORK UNIT NUMBER
H07L

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
ABC Research
123 Any Street
City, State Zip

8. PERFORMING ORGANIZATION REPORT NUMBER

9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)
Air Force Research Laboratory
Airman Systems Directorate
Wright-Patterson Air Force Base
45433

NOTE: If Block 7 is the same as Block 9, just fill in Block 7.

10. SPONSOR/MONITOR'S ACRONYM(S)
AFRL/RHC

11. SPONSOR/MONITOR'S REPORT NUMBER(S)
AFRL-RH-WP-TR-2017-0011

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DISTRIBUTION STATEMENT B. Distribution authorized to U.S. Government agencies only; Proprietary Information (SBIR Data Rights), Critical Technology and Export Controlled; December 2017. Other requests for this document shall be referred to AFRL/RH, Wright-Patterson Air Force Base, OH 45433.

13. SUPPLEMENTARY NOTES
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14. ABSTRACT
This report was developed under a SBIR contract for topic ABC.

15. SUBJECT TERMS
SBIR

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT	b. ABSTRACT	c. THIS PAGE			AFRLWUM
Unclassified	Unclassified	Unclassified	SAR	77	19b. TELEPHONE NUMBER *(include area code)*

Standard Form 298 (Rev. 8-98)
Prescribed by ANSI Std. Z39.18

Figure 2. Sample SF 298

2.4 Table of Contents

Start pagination of Table of Contents with lower-case Roman numeral "i" as shown in Figure 3. Start listing contents that are in the Front Matter (e.g., List of Figures, List of Tables, Foreword, Preface, the Body of text, then Back Matter). Appendix labels should be in alphabetical order, and page numbers should continue from the previous section. If there is only one Appendix, just call it an Appendix. If a report contains more than five figures or tables, or some combination totaling more than five, a list of figures and/or tables is required. If less than five, it is optional.

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i

Figure 3. Table of Contents Example (border not required)

2.5 List of Figures

Continue pagination with lower-case Roman numerals as shown in Figure 4. List all figures found in text, excluding those that appear in any appendix (list appendix figures at the front of each appendix, if applicable).

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Figure 3 Apparatus Used to Make Nozzle Tubes……...…..26

Figure 4. List of Figures Example (border provided for figure simulation only)

2.6 List of Tables

Continue pagination with lower-case Roman numerals as shown in Figure 5. List all Tables found in text, excluding those that appear in any appendix (list appendix tables at the front of each appendix, if applicable.)

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Table 3 Results of Test Firing #2……...……26

Figure 5. List of Tables Example (border provided for figure simulation only)

3.0 BODY

3.1 Required Headings

Start the body of the text with the **Summary or Executive Summary (1.0)** and begin pagination with Page 1 (Arabic numerals) (see Figure 3).

3.2 References

References should be listed numerically, in the order they appear in the text. The Reference page should be at the end of the report *(not at the end of each section)*. For works that are generally referred to throughout the report, without citing specific references from the work, create a Bibliography (in alphabetical order). Personal communications, unpublished speeches, or any other information not available for reference by the reader should not be included in the References – *footnote your citation instead*. References must be available to readers of the report. The examples below are a suggested format.

3.2.1. Papers / Journal Articles / Conference Presentations or Proceedings

Author's last name, then first name, Titles of papers are in quotation marks; Journal names or Conference names are in italics; Volume is bolded; Date follows comma (not within parenthesis); Page numbers (pp.) are last.

Examples:

Chidambaram, N., Dash, S., and Kenzakowski, D., "Scalar Variance Transport in the Turbulence Modeling of Propulsive Jets," *Journal of Propulsion and Power*, **17**, 1, Jan 2001, pp. 79-84.

Author(s), "Title of Article," Paper No. (if AIAA or CPIA paper, etc.), *Name of Conference,* Location, Date.

Chai, A.H., Cao, Z.T., Chen, H. P., "Monte Carlo Method Study of Terahertz Pulse, Propagation in Biological Tissue," *Proceedings of the 2005 IEEE, EMBS 27th Annual Conference,* Shanghai, China (2005).

3.2.2. URLs

The URL or other path information appears instead of the volume and number cited for a conventional journal. It is frequently useful to the reader to know the date when the material was accessed. In such cases, "Accessed [date]" would be appropriate wording.

Virillio, Paul, "Speed and Information: Cyberspace Alarm!" CTHEORY, URL: http://www.freedonia.com/ctheory/, last modified 19 September 1995. Accessed 17 November 1999

3.2.3. Technical Reports

Enter Author's last name, then first; Titles of reports are in italics; Next is report number; DTIC Accession Number, Distribution Code and/or PA Clearance/Date, Name and address of performing agency/organization; Date is last.

Example:

Author(s), Title, AFRL-PR-ED-TR-20XX-XXXX, Company, Inc., City, State, Jan 2006

In-House Author Example

Gaitonde, Datta, Advances in High-Fidelity Multiphysics Simulation, AFRL-RB-WP-TR-2008-3019; ADB123456, Distribution B, Wright-Patterson AFB: AFRL Air Vehicles Directorate, 2008

Gaitonde, Datta, Advances in High-Fidelity Multiphysics Simulation, AFRL-RB-330 WP-TR-2008-3019, XXABW Cleared XX/XX/XXXX; XXABW-XXXX-331 XXXX, Wright-Patterson AFB: AFRL Air Vehicles Directorate, 2008

3.2.4. Books

Enter Author's last name, then first name; Title of book can be **Bolded** or Underlined; Publisher's name and location (city and state); Date of publication; Page numbers last.

Example:

Author(s), **Book Title,** Harper & Rowe, New York, NY, 1993, pp. 36-38, 77, 98-101

Wylie, C.R., **Advanced Engineering Mathematics**, 7th ed, McGraw-Hill, New York, NY, 2005, pp 15-18

4.0 BACK MATTER

Pagination continues from the body. Include conditional and optional Back Matter in the order listed in the components table on page 1: Appendices, Bibliography, List of Symbols, Abbreviations, and Acronyms, Glossary, Index, Distribution List, and Back Cover.

4.1 Appendices

If there is only one appendix, the title Appendix would be without an alphabet letter (i.e., Appendix A, Appendix B). All tables and figures in that appendix are prefixed with A-, the "A" representing the word, Appendix. Each appendix should be referred to in the body text. Any references cited in an appendix must be listed as the last page of the appendix. Appendix page numbering is a sequential continuation of the Arabic text page numbering. Number figures, tables, equations, and references in an appendix with the letter of the appendix, followed by a hyphen and a sequential number, starting at 1, e.g., Figure A-1, A-2, B-1, B-2 for appendix figures, Table A-1, A-2, B-1, B-2 for appendix tables and A-1, B-1 for reference citations.

4.2 Symbols, Abbreviations and Acronyms

When first introduced in the report (title or text), completely write out abbreviations and acronyms, followed by the abbreviation or acronym in parentheses, e.i., Small Business Innovation Research (SBIR). Thereafter, use only the acronym/ abbreviation in the body text; i.e., SBIR only if they are proper names (e.g., Department of Defense). See Figure 6. Create an acronym list that lists and defines all acronyms and symbols that appear in your report. List all terms alphabetically, beginning with those starting with capital letters, followed by lower case (e.g., H2, HEDM, hcp). Follow alphabetical entries with Greek or special symbols. Capitalize definitions only if they are proper names (e.g. Department of Defense).

LIST OF SYMBOLS, ABBREVIATIONS AND ACRONYMS

CAT	Computerized Axial Tomography
COMSAT	Communication Satellites
DMP-128	a Polaroid™ photopolymer
DoD	Department of Defense
Dcg	dichromated gelatin
H^2	hydrogen
HEDM	High Energy Density Matter
∀	Angle of Attack

Figure 6. Example of Lists of Symbols, Abbreviations and Acronyms

5.0 FORMAT REQUIREMENTS.

5.1 Type (Font) and Headings (Section Titles)

The recommended font is 12-point Times New Roman or Arial throughout the report. Figure 7 shows an example (format and spacing) of headings:

1.0 HEADING 1 IS ALL UPPER CASE AND BOLDED

1.1 Heading 2 is Bolded, Same Font Size as Text, Upper and Lower Case, Flush with Left Margin

1.1.1. Heading 3 is Boldface, Upper and Lower Case Letters, *followed by a Period*. Then continue the copy.

Figure 7. Heading Formats

5.2 Spacing

Final reports should be single spaced. It isn't necessary to double-space between paragraphs if the first line of each paragraph is indented.

5.3 Margins

Leave 1-inch left, right, and top margins. Leave enough room at the bottom of each page to include page numbers and notices (applicable restrictive statements (i.e., Public Affairs (PA) Clearance, additional control markings, distribution statement, export control warning, etc., as applicable).

5.4 Numbering

Page numbers are centered at the bottom of the page, above the footer. Figure numbers and their captions are on the same line below figures, while table numbers and their captions are on the same line above the tables. (See Figure 4 and Figure 5).

6.0 PRESENTATION STYLES

6.1 Style for Equations, Figures, and Tables

All equations, figures and tables shall be crisp and easy to read as shown in Equation 1. Figure and Table Captions should be in at least an 8-point type (handwriting on figures and tables is not). List of figures and tables are numbered, worded, spelled and punctuated exactly as they are in the report.

6.1.1. Style for Equations

$$(1+x)^n = 1 + \frac{nx}{1!} + \frac{n(n-1)x^2}{2!} + \cdots \quad (1)$$

$$x = \frac{-b \pm \sqrt{b^2-4ac}}{2a} \quad (2)$$

Equation 1. Sample Equations

6.1.2. Style for Figure Captions

Figure captions should be in title case letters using a consistent font, as shown in Figure 8 below. The Figure Caption describes the content without giving background information, results, or comments about the figure. Reference to figures and tables must appear in the text before the actual figure or table appears in the report. Where possible, integrate figures and tables into text and place figure/table as soon after the first mention of it as possible, before beginning a new subject. There should be two blank lines between Figures or Tables and text.

Sample Representation Only
(border not required.)

Figure 8. Figure Caption is on Same Line as Figure Number

6.1.3. Style for Table Captions

Authors should use the style listed in section 4.1.2. As shown in Table 4, the caption line and caption number should be centered, bolded, with no period at the end of the caption.

Table 4. Table Caption is on Same Line as Table Number

NAME	ADDRESS	CITY, STATE

7.0 REFERENCES

ANSI/NISO Z39.18-2005 (R2010), Scientific and Technical Reports – Preparation, Presentation and Preservation, 13 May 2010.

Defense Federal Acquisition Regulation Supplement (DFARS) and Procedures, Guidance, and Information (PGI).

DoDI 5230.24, *Distribution Statements on Technical Documents*, 01 November 2017.

8.0 LIST OF ACRONYMS & GLOSSARY

AFRL – Air Force Research Laboratory
ANSI – American National Standards Institute
BAA – Broad Agency Announcement
CDO – Controlling DoD Office
CDRL – Contract Data Requirements List
DARPA – Defense Advanced Research Projects Agency
DoD – Department of Defense
DoDI – Department of Defense Instruction
DO-TO – Delivery – Task Order
DTIC – Defense Technical Information Center
NISO – National Information Standards Organization
PA – Public Affairs
PM – Program Manager
SAR – Same as Report
SBIR – Small Business Innovative Research
STINFO – Science & Technical Information
STTR – Small Business Technology Transfer
WUM – Work Unit Manager

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