PLORIDA PLORIDA

EXECUTIVE SUMMARY

Recommendation that the Broward College District Board of Trustees authorize a subrecipient agreement with the University of Florida for the project "Wading Bird Colony Location, Size, Timing, and Reproductive Success in Lake Okeechobee" Fiscal Impact: \$18,418.00, Cumulative Amount: \$92,090.00, Revenue: \$0.00

Presenter(s): Steven Tinsley, Vice President of Workforce Education and Strategic Partnerships

1.Describe the purpose of the grant.

The original grant is a five-year grant from the US Army Corps of Engineers, awarded to the University of Florida. This subaward from the University of Florida will allow Broward College faculty and students to participate in monitoring the breeding populations of wading birds in the Lake Okeechobee basin. The overall project will provide essential data to evaluate ecosystem health and the effectiveness of Everglades restoration efforts. The subaward will provide salary support to Dr. David Serrano for leading Broward College's participation and funds for the use and maintenance of the College's airboats. In return, the University of Florida will hire up to two College students per year to participate in the project as interns. This will be an excellent opportunity for College students in the environmental sciences program.

2.Describe the College's plans for meeting the grant requirements. Include details such as staffing plan and how any match requirements will be met.

Dr. Serrano will dedicate the equivalent of 1.38 months to the management of Broward College's portion of the project for each year of five years. This will include time dedicated to the project during the summer. There are no other staffing requirements of the subaward. There is no match requirement.

3.[To Be Answered by Legal Department Only] **Describe any unusual legal terms and conditions that were not resolved during the review process.**

The General Counsel's office has reviewed the agreement and any deviation to the College's standard terms has been deemed acceptable.

This Executive Summary is approved by:

Steven Tinsley Vice President of Workforce Education and Strategic Partnerships

APPROVAL PATH: 96 Wading Bird Colony Study

Auto Complete-No IT Review Needed	Raj Mettai	11/1/2024
Contracts Coordinator Review	Natalia Triana-Aristizabal	11/1/2024
Procurement Review	Orlando Aponte	11/20/2024
Budget Review - Pending Fund Approvals	Christine Sims	11/21/2024
Associate Vice President, Grant Review	Nadine Kingston	11/22/2024
Auto Complete - Budget Information Added	Contract Admin	12/5/2024
Budget Review - Associate Vice President, Grants	Nadine Kingston	12/5/2024
Auto Complete - Budget Information Added	Contract Admin	12/18/2024
Docusign Document Import Auto Complete	Elizabeth Beavin	12/19/2024
Budget Review - Associate Vice President, Grants	Nadine Kingston	12/18/2024
Budget Review - Associate Vice President, Budget Second Review	Christine Sims	12/18/2024
CFO Review	Rabia Azhar	12/18/2024
Attorney Review	Kristina Raattama	12/18/2024

FDP Cost Reimbursement Subaward					
Federal Awarding Agency: Other [Type in Agency]	US ARMY CORPS OF ENGINEERS				
Pass-Through Entity (PTE):	Subrecipient:				
University of Florida	Broward College				
PTE PI: Corey T Callaghan	Sub PI: David Serrano				
PTE Federal Award No: W912HZ-24-2-0031	Subaward No: SUB00004597				
Project Title: Wading Bird Colony Location, Size, Timing, an	d Reproductive Success in Lake Okeechobee				
Subaward Budget Period: End: 09/30/2025	Amount Funded This Action (USD): \$ 18,418.00				
Estimated Period of Performance: Start: 10/01/2024 End: 09/30/2025	Incrementally Estimated Total (USD): \$ 92,090.00				
Terms and 1. PTE hereby awards a cost reimbursable subaward, (as det	Conditions ermined by 2 CFR 200.331), to Subrecipient. The Statement of Work 5. In its performance of Subaward work, Subrecipient shall be an				
2. Subrecipient shall submit invoices not more often than monthly and not less frequently than quarterly for allowable costs incurred. Upon the receipt of proper invoices, the PTE agrees to process payments in accordance with this Subaward and 2 CFR 200.305. All invoices shall be submitted using Subrecipient's standard invoice, but at a minimum shall include current and cumulative costs (including cost sharing), breakdown by major cost category, Subaward number, and certification, as required in 2 CFR 200.415(a). Invoices that do not reference PTE Subaward number shall be returned to Subrecipient. Invoices and questions concerning invoice receipt or payments shall be directed to the party's Financial Contact, shown in Attachment 3A.					
3. A final statement of cumulative costs incurred, including co- Financial Contact, as shown in Attachme The final statement of costs shall constitute Subrecipient's f	ent 3A, not later than 60 days after the final Budget Period end date.				
 All payments shall be considered provisional and are subje adjustment is necessary as a result of an adverse audit find 	ct to adjustment within the total estimated cost in the event such ling against the Subrecipient.				
 Matters concerning the technical performance of this Subavas shown in Attachments 3A and 3B. Technical reports are 	ward shall be directed to the appropriate party's Principal Investigator required as shown in Attachment 4.				
any changes requiring prior approval, shall be directed to the	3A and 3B. Any such change made to this Subaward requires the				
7. The PTE may issue non-substantive changes to the Budge modification shall be considered valid 14 days after receipt Subrecipient's Administrative Contact, as show					
 Each party shall be responsible for its negligent acts or omi or directors, to the extent allowed by law. 	issions and the negligent acts or omissions of its employees, officers,				
Either party may terminate this Subaward with 30 days written notice. Notwithstanding, if the Awarding Agency terminates the Federal Award, PTE will terminate in accordance with Awarding Agency requirements. PTE notice shall be directed to the Authorized Official Contact, and Subrecipient notice shall be directed to the Authorized Official Contact as shown in Attachments 3A and 3B. PTE shall pay Subrecipient for termination costs as allowable under Uniform Guidance, 2 CFR 200, or 45 CFR Part 75 Appendix IX, as applicable					
By signing this Subaward, including the attachments hereto which are hereby incorporated by reference, Subrecipient certifies that it will perform the Statement of Work in accordance with the terms and conditions of this Subaward and the applicable terms of the Federal Award, including the appropriate Research Terms and Conditions ("RTCs") of the Federal Awarding Agency, as referenced in Attachment 2. The parties further agree that they intend this subaward to comply with all applicable laws, regulations, and requirements.					
By an Authorized Official of the PTE: Digitally signed by Kellie T.	By an Authorized Official of the Subrecipient:				
Crawford Date: 2024.12.23 15:54:12 05'00' 12/23/2024	Donald Ustrab 12/19/2024				
Name: Kellie T. Crawford Date Title: Subcontract Officer	Name: Donald Astrab Date Title: Interim President				



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Attachment 1 Certifications and Assurances

Subaward Number:

SUB00004597

Certification Regarding Lobbying (2 CFR 200.450)

By signing this Subaward, the Subrecipient Authorized Official certifies, to the best of his/her knowledge and belief, that no Federal appropriated funds have been paid or will be paid, by or on behalf of the Subrecipient, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement in accordance with 2 CFR 200.450.

If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or intending to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the Subrecipient shall complete and submit Standard Form -LLL, "Disclosure Form to Report Lobbying," to the PTE.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Debarment, Suspension, and Other Responsibility Matters (2 CFR 200.214 and 2 CFR 180)

By signing this Subaward, the Subrecipient Authorized Official certifies, to the best of his/her knowledge and belief that neither the Subrecipient nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this transaction by any federal department or agency, in accordance with 2 CFR 200.213 and 2 CFR 180.

Audit and Access to Records

Subrecipient certifies that it will provide PTE with notice of any adverse findings which impact this Subaward. Subrecipient certifies compliance with applicable provisions of 2 CFR 200.501-200.521. If Subrecipient is not required to have a Single Audit as defined by 200.501, Awarding Agency requirements, or the Single Audit Act, then Subrecipient will provide notice of the completion of any required audits and will provide access to such audits upon request. Subrecipient will provide access to records as required by parts 2 CFR 200.337 and 200.338 as applicable.

Program for Enhancement of Contractor Employee Protections (41 U.S.C 4712)

Subrecipient is hereby notified that they are required to: inform their employees working on any federal award that they are subject to the whistleblower rights and remedies of the program; inform their employees in writing of employee whistleblower protections under 41 U.S.C §4712 in the predominant native language of the workforce; and include such requirements in any agreement made with a subcontractor or subgrantee.

The Subrecipient shall require that the language of the certifications above in this Attachment 1 be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

Use of Name

Neither party shall use the other party's name, trademarks, or other logos in any publicity, advertising, or news release without the prior written approval of an authorized representative of that party. The parties agree that each party may use factual information regarding the existence and purpose of the relationship that is the subject of this Subaward for legitimate business purposes, to satisfy any reporting and funding obligations, or as required by applicable law or regulation without written permission from the other party. In any such statement, the relationship of the parties shall be accurately and appropriately described.

Prohibition on Certain Telecommunication and Video Surveillance Services or Equipment

Pursuant to 2 CFR 200.216, Subrecipient will not obligate or expend funds received under this Subaward to: (1) procure or obtain; (2) extend or renew a contract to procure or obtain; or (3) enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services (as described in Public Law 115-232, section 889) as a substantial or essential component of any system, or as a critical technology as part of any system.



2024-10-01 SUB00004597 Page 2 of 182

Attachment 2

Federal Award Terms and Conditions

Subaward Number

SUB00004597

Required Data Elements	Awarding Agency	Institute (I	f Applicable)	
The data elements required by Uniform				
Guidance are incorporated in the attached Federa	l Award.	Federal Award Issue Date	FAIN	Assistance Listing No.
		L		Titl (ALDT)
This Subaward Is:		Assistance Listin	g Progran	n Title (ALPT)
Research & Development Subject to F	FATA	Koy Doro	onnol Dor	NOA
		Key Pers	sonnel Per	NOA
General Terms and Conditions				
By signing this Subaward, Subrecipient agrees to the follow	· ·			
 To abide by the conditions on activities and restriction applicable to this Subaward to the extent those restrict Awarding Agency's website: 				
See Attachment 6				
2. 2 CFR 200				
3. The Federal Awarding Agency's grants policy guidance	e including addenda i	n effect as of the beginning	g date of th	e period of
performance or as amended found at:	o, moldaling addonad	Tronoct do or the bogining	g date of th	io portou or
See Attachment 6				
4. Research Terms and Conditions, including any Feder	al Awarding Agency's	Specific Requirements for	ınd at:	1,
See Attachment 6				except for the following:
a. No-cost extensions require the written approval of				
Administrative Contact shown in Attact change.	chment 3A, not less tha	an 30 days prior to the des	ired effectiv	e date of the requested
b. Any payment mechanisms and financial reporting i				
Conditions and Agency-Specific Requirements are			(4) of this	Subaward; and
 c. Any prior approvals are to be sought from the PTE d. Title to equipment as defined in 2 CFR 200.1 that i 			Subrecipie	ent cost sharing
funds, as direct costs of the project or program, sha	all vest in the Subrecip	ient subject to the condition	ons specifie	d in 2 CFR 200.313.
e. Prior approval must be sought for a change in Sub	recipient PI or change	in Key Personnel (defined	l as listed o	n the NOA).
5. Treatment of program income: Additive				
Special Terms and Conditions:				
Data Sharing and Access:				
Subrecipient agrees to comply with the Federal Awardi or the Federal Awarding Agency's standard terms and	ng Agency's data shar conditions as referenc	ing and/or access requirer ed in General Terms and (ments as re Conditions	flected in the NOA 1-4 above
		that incorporates additiona		
the Federal Awarding	Agency.	·	<u> </u>	
Data Rights: Subrecipient grants to PTE the right to use data created	d in the performance o	f this Subaward sololy for	the nurnee	o of and only to the
extent required to meet PTE's obligations to the Federa			trie purpose	e of and only to the
Copyrights:				
Subrecipient Shall Grant to PTE an irrevocable, ro	valty-free, non-transfe	able, non-exclusive right	and license	to use,
reproduce, make derivative works, display, and perform software and its documentation and/or databases) first	publicly any copyrigh	ts or copyrighted material	(including a	ny computer
only to the extent required to meet PTE's obligations to	the Federal Governme	ent under its PTE Federal	Award.	purpose or and
Subrecipient grants to PTE the right to use any written purpose of and only to the extent required to meet PTE	progress reports and o	leliverables created under ederal Government under	this Subaw	ard solely for the Award.
Promoting Objectivity in Research (COI):				
Subrecipient must designate herein which entity's Finar				
If applying its own COI policy, by execution of this Suba the relevant Federal Awarding Agency as identified here	ward, Subrecipient ce ein: US ARMY CORP	rtifies that its policy compl S OF ENGINEERS	ies with the	requirements of
Subrecipient shall report any financial conflict of interes	t to PTE's Administrati	ve Representative or COI	contact, as	designated on
Attachment 3A. Any financial conflicts of interest identified Agency. Such report shall be made before expenditure	⊓ed sna⊪, when applica ∈of funds authorized in	able, subsequently be repo this Subaward and within	orted to Fed 45 davs of	aerai Awarding any subsequently
identifieg₀⊊⊋∤ ₀₋₀₁	SUB00004597		-	age 3 of 182



Work Involving Human or Vertebrate Animals (Select Applicable Options)
■ No Human or Vertebrate Animals
This section left intentionally blank.
Human Subjects Data (Select One) Not Applicable
Mot Applicable
This section left intentionally blank
This section left interniorially blank
This section left intentionally blank
This section left intentionally blank
Additional Terms
 Invoice or bills for fees or other compensation or expenses shall be submitted in detail sufficient for a pre-audit and/or post-audit. Invoices returned due to preparation errors will result in payment delay.
2. At any time, PTE may request additional documentation to support charges on the invoice or bill. Should an audit be required
bursuant to the terms of this Subaward, all audit rights shall be limited to PTE's Prime Award terms and conditions.



Attachment 3A

Pass-Through Entity (PTE) Contacts

Subaward	Nium	hor:
Subawaru	Num	ber.

SUB00004597

Invoice Address:

33 Tigert Hall PO Box 113001 Gainesville, FL 32611



Attachment 3B

Subrecipient Contacts

Subaward Number: SUB00004597

Subrecipient Information for FFATA reporting
Entity's DUNS Name: Broward College

Entity's	Entity's DUNS Name: Broward College								
EIN No.	.: 59	-1216107		Institution Type:	Public 4	Year			
DUNS:	07	6023225		Currently registere Exempt from report		1.gov: X Yes Cutive compensatio) No n: \	res No (if no, c	complete 3Bpg2)
Parent	DUNS:			This section for U					
Place of	f Performan	ce Address		Congressional Di	istrict:	-L-023 Zip (Code+4	4: 33301-220)6
		Willis Hol Ft Lauder		Center 111 Eas FL 33301	st Las C	olas Blvd. Bldg.	33		
Subre	cipient Co	ntacts							
	Central	l Email:							
	Websit	e:							
Princip	al Investiga	ator Name:	David	Serrano					
	Email:	dserrano@	browa	rd.edu		Telephone Nun	nber: S	54-201-6401	
Adminis	strative Co	ntact Name:	Ethan	Sharp					
	Email:	esharp@b		· ·		Telephone Nun	nber: S	54-201-7350	
Financ	ial Contact	Name:	Nadin	e Kingston					
	Email:	nbranch@	browar	d.edu		Telephone Num	ber:	954-201-7424	
Invoi	ce/Paymer	nt Email:	Nadir	ne Kingston					
Authori	ized Officia	I Name:	Donal	d Astrab					
	Email:	dastrab@b	oroward	l.edu		Telephone Numb	er: [954-201-8801	
Legal A	Address:						_		
		lcombe Cen Las Olas Bl							

Administrative Address:

Cypress Creek Admin. Center 6400 N.W. 6th Way Ft. Lauderdale, FL 33309

Ft Lauderdale, FL 33301

Payment Address:

Attenition: Nadine Kingston / Grants Accounting 6400 NW 6th Way Fort Lauderdale, FL 33309



Attachment 3B-2

Highest Compensated Officers

Subaward	Number:
SUB000045	597

Subrecipient: Institution Name: Broward College PI Name: David Serrano **Highest Compensated Officers** The names and total compensation of the five most highly compensated officers of the entity(ies) must be listed if the entity in the preceding fiscal year received 80 percent or more of its annual gross revenues in Federal awards; and \$25,000,000 or more in annual gross revenues from Federal awards; and the public does not have access to this information about the compensation of the senior executives of the entity through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. §§ 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. See FFATA § 2(b)(1) Internal Revenue Code of 1986. Officer 1 Name: Officer 1 Compensation: Officer 2 Name: Officer 2 Compensation: Officer 3 Name: Officer 3 Compensation: Officer 4 Name: Officer 4 Compensation:



Officer 5 Name:

Officer 5 Compensation:

Attachment 4 **Reporting and Prior Approval Terms**

Subaward Number:

SUB00004597

Subrecipient agrees to submit the following reports (PTE contacts are identified in Attachment 3A):

Tec	hnical Reports:		
	Monthly technical/progress reports will be subrof the end of the month.	nitted to the PTE's Principal Investigator wit	thin 15 days of
	Quarterly technical/progress reports will be su the PTE's Principal Investigator	bmitted within 30 days after the end of each pro	oject quarter to
	· · · · · · · · · · · · · · · · · · ·	report shall also include a detailed budget for fication of appropriate education in the conduct	the next Budget Period,
	A Final technical/progress report will be submitted of the Project Period or after termination of		hin 60 days of the
	Technical/progress reports on the project as metastisfy its reporting obligations to the Feder		in order for the PTE
Pric	r Approvals:		
	Carryover: Carryover is automatic		
	and PTE's UF Innovate within 60 to Subrecipient's personnel responsible for pausing Federal Awarding Agency specific forms of the Project Period to be included as part of A negative report is required: No	ent agrees to notify both the Federal Awarding days after Subrecipient's inventor discloses inventent matters. The Subrecipient will submit a final to the PTE's InventionCompliance@research.ufl.edu within the PTE's final invention report to the Federal Action of the Federal Awarding Agency), specific requires	rention(s) in writing al invention report 60 days of the end awarding Agency.
	Additional Technical and Reporting Require	ements:	
	Property report required to be emailed property@admin.ufl.edu.	d within 60 days of end of project period	I to
	2024-10-01	SUB00004597	Page 8 of 182



Attachment 5

Statement of Work, Cost Sharing, Indirects & Budget

Subaward Number: SUB00004597

C	tat	em	ΔΙ	nt	of	W	0	rl	,
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Below Attached, 1

Budget Informa	ation
Indirect Information Indirect Cost Rate (IDC) Applied 17.50 %	Cost Sharing No
Rate Type: Modified Total Direct Costs	If Yes, include Amount: \$
Budget Details Below Attached, 18 pages	
Budget Details Below Attached, 18 pages	
Below Attached, 18 pages	1
Below Attached, 18 pages	Budget Tetale
Below Attached, 18 pages	Budget Totals
Below Attached, 18 pages	Direct Costs \$ 15,675.00
Below Attached, 18 pages	Direct Costs \$ 15,675.00 Indirect Costs \$ 2,743.00
Below Attached, 18 pages	Direct Costs \$ 15,675.00
Below Attached, 18 pages	Direct Costs \$ 15,675.00 Indirect Costs \$ 2,743.00
Below Attached, 18 pages	Direct Costs \$ 15,675.00 Indirect Costs \$ 2,743.00 Total Costs \$ 18,418.00
Below Attached, 18 pages	Direct Costs \$ 15,675.00 Indirect Costs \$ 2,743.00 Total Costs \$ 18,418.00
Below Attached, 18 pages	Direct Costs \$ 15,675.00 Indirect Costs \$ 2,743.00 Total Costs \$ 18,418.00
Below Attached, 18 pages	Direct Costs \$ 15,675.00 Indirect Costs \$ 2,743.00 Total Costs \$ 18,418.00



Broward College Scope of Work W81EWF-24-SOI-0020

Dr. David Serrano will be the Co-Principal Investigator (Co-PI) of the project, using his extensive experience in biodiversity surveying, field work, logistics, vessel operations, student field training and student mentorship to ensure the overall execution and success of the project. His role will include working with Dr. Callaghan to ensure the success of field excursions and data collection by managing logistics, field gear, and a qualified student intern workforce. He will also oversee the use and maintenance of the vessels required to meet the objectives of the study. Dr. David Serrano will coordinate and oversee the recruitment of undergraduate interns from Broward College (a Minority Serving Institution, Undergraduate Institution), ensuring that highly qualified candidates are selected to support the project's fieldwork and data management activities. Additionally, Dr. Serrano will assist in preparing reports in collaboration with the PI, contributing to the documentation and dissemination of the project's findings. Dr. Serrano's decades of experience with south Florida ecosystems/ Lake Okeechobee, field work, field equipment, logistics and student training will be crucial in providing a well-supported and safe completion of the project objectives. This project will produce valuable insights to the conservation and restoration of wading bird populations in the Lake Okeechobee basin and train south Florida students in the methods needed for this and future conservation/restoration studies.



RESEARCH & RELATED BUDGET - Budget Period 1

OMB Number: 4040-0001 Expiration Date: 11/30/2025

11,425.00

UEI: **Enter name of Organization:** G95LD67WQ8N5 Broward College Subaward/Consortium Project Start Date: 10/01/2024 End Date: 09/30/2025 **Budget Type: Budget Period: 1** A. Senior/Key Person **Months** Requested Fringe **Funds Prefix** Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) **First** Middle Last Base Salary (\$) David Dr. Serrano 1.38 9,396.00 2,029.00 11,425.00 Project Role: PD/PI Total Funds requested for all Senior Delete Attachment Add Attachment View Attachment **Additional Senior Key Persons:** Key Persons in the attached file 11,425.00 **Total Senior/Key Person B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Personnel Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** Secretarial/Clerical **Total Number Other Personnel Total Other Personnel**

Total Salary, Wages and Fringe Benefits (A+B)

C.	Equipment Description	
Lis	st items and dollar amount for each item exceeding \$5,000 Equipment item	Funds Requested (\$)
Ad	Iditional Equipment: Add Attachment Delete Atta	achment View Attachment
	Total funds requested for all equipment listed in the attached file	
	Total Equipment	
D.	Travel	Funds Requested (\$)
1.	Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)	2,250.00
2.	Foreign Travel Costs	
	Total Travel Cost	2,250.00
E.	Participant/Trainee Support Costs	Funds Requested (\$)
1.	Tuition/Fees/Health Insurance	
2.	Stipends	
3.	Travel	
4.	Subsistence	
5.	Other	
	Number of Participants/Trainees Total Participant/Trainee Support Costs	

F. Other Direct Costs			Funds Requested (\$)
Materials and Supplies			, ,,,
2. Publication Costs			
3. Consultant Services			
4. ADP/Computer Services			
5. Subawards/Consortium/Contractual Costs			
6. Equipment or Facility Rental/User Fees			
7. Alterations and Renovations			
8. Airboat Maintenance			2,000.00
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
	Tota	l Other Direct Costs	2,000.00
G. Direct Costs		<u> </u>	Funds Requested (\$)
II Indianat Conta	l otal Direct	Costs (A thru F)	15,675.00
H. Indirect Costs Indirect Cost Type	Indirect Cost Rate (%) Ind	irect Cost Base (\$)	Funds Requested (\$)
Modified Total Direct Cost	17.50	15,675.00	2,743.00
			=,
	Tota	al Indirect Costs	2,743.00
Cognizant Federal Agency (Agency Name, POC Name, and			
POC Phone Number)			
I. Total Direct and Indirect Costs		_	Funds Requested (\$)
Total Dire	ect and Indirect Institution	nal Costs (G + H)	18,418.00
J. Fee			Funds Requested (\$)
K Tatal Coate and For		L	
K. Total Costs and Fee	Total Cos	ts and Fee (I + J)	Funds Requested (\$)
L. Budget Justification	1003		18,418.00
(Only attach one file.)	Add Attachment	Delete Attachmen	t View Attachment

RESEARCH & RELATED BUDGET - Budget Period 2

OMB Number: 4040-0001 Expiration Date: 11/30/2025

UEI: **Enter name of Organization:** G95LD67WQ8N5 Broward College Subaward/Consortium Start Date: |10/01/2025| End Date: 09/30/2026 **Budget Type:** □ Proiect **Budget Period: 2** A. Senior/Key Person **Months** Requested Fringe **Funds Prefix** Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) **First** Middle Last Base Salary (\$) David 1.38 9,396.00 2,029.00 Dr. Serrano 11,425.00 Project Role: PD/PI Total Funds requested for all Senior **Delete Attachment** Add Attachment View Attachment **Additional Senior Key Persons:** Key Persons in the attached file **Total Senior/Key Person** 11,425.00 **B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Personnel Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** Secretarial/Clerical **Total Number Other Personnel Total Other Personnel** Total Salary, Wages and Fringe Benefits (A+B) 11,425.00

C.	. Equipment Description			
Lis	st items and dollar amount for each item exceeding \$5,000 Equipment item		Fun	ds Requested (\$)
Ad	dditional Equipment: Add Attachment Dele	te Attach	nment	View Attachment
	Total funds requested for all equipment listed in the attached	d file		
	Total Equipr	nent		
D.	. Travel		Fur	nds Requested (\$)
1.	Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)			2,250.00
2.	Foreign Travel Costs			
	Total Travel	Cost		2,250.00
E.	. Participant/Trainee Support Costs		Fur	nds Requested (\$)
1.	Tuition/Fees/Health Insurance			
2.	Stipends			
3.	Travel			
4.	Subsistence			
5.	Other			
	Number of Participants/Trainees Total Participant/Trainee Support C	osts		

F. Other Direct Costs

F.	Other Direct Costs	Funds Requested (\$)
1.	Materials and Supplies	
2.	Publication Costs	
3.	Consultant Services	
4.	ADP/Computer Services	
5.	Subawards/Consortium/Contractual Costs	
6.	Equipment or Facility Rental/User Fees	
7.	Alterations and Renovations	
8.	Airboat Maintenance	2,000.00
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
	Total Other Direct Costs	2,000.00
<u>G. I</u>	Direct Costs	Funds Requested (\$)
	Total Direct Costs (A thru F)	15,675.00
<u>H. I</u>	ndirect Costs	
ı	Indirect Cost Type Indirect Cost Rate (%) Indirect Cost Base (\$)	Funds Requested (\$)
l	Modified Total Direct Cost 17.50 15,675.00	2,743.00
	Total Indirect Costs	2,743.00
	nizant Federal Agency	2,743.00
	ency Name, POC Name, and Endough Phone Number)	
I. T	otal Direct and Indirect Costs	Funds Requested (\$)
	Total Direct and Indirect Institutional Costs (G + H)	18,418.00
J. F	ee	Funds Requested (\$)
K . ⁻	Total Costs and Fee	Funds Requested (\$)
	Total Costs and Fee (I + J)	18,418.00
<u>L. E</u>	Budget Justification	
(Onl	v attach one file) Add Attachment Delete Attachmen	nt View Attachment

RESEARCH & RELATED BUDGET - Budget Period 3

OMB Number: 4040-0001 Expiration Date: 11/30/2025

	UEI:	G95LD67WQ8N	N5 Ent	er name of Organ	ization: \Box	roward C	ollege)				
Budget Type:	Project	Subawar	d/Consortium		Bu	dget Peri	od: 3	Sta	art Date:	10/01/2026	End Date: 09/30/202	.7
A. Senior/Key	/ Person											
Prefix	First	Middle	Last	Suffix	Base Sa	lary (\$)		Months Acad.		Requested Salary (\$)	Fringe Benefits (\$)	Funds Requested (\$)
Dr.	David		Serrano				1.3	8		9,396	.00 2,029.0	11,425.00
Project Role	PD/PI											
Additional Senio	dditional Senior Key Persons: Add Attachment Delete Attachment View Attachment View Attachment Key Persons in the attached file											
										To	tal Senior/Key Person	11,425.00
B. Other Pers	onnel											
						Mont	hs		Des		Frience	Funds
Number of Personnel	Project	Role			Ca			um.		quested lary (\$)	Fringe Benefits (\$)	Requested (\$)
	Post Doctoral	Associates										
	Graduate Stud	ents					ヨロ					
	Undergraduate	Students					ヨ戸					
	Secretarial/Cle	erical					ヿ゙゙					
							ゴニ					
	Total Number C	Other Personne	ı							,	otal Other Personnel	
	Total Hullidel C	ALIGI I GISOIIIG	•				т	otal S	alarv W		ge Benefits (A+B)	11 105 00
								July 3	aiaiy, w	ages and i iii	ac penenta (V.p)	11,425.00

C.	Equipment Description	
Lis	st items and dollar amount for each item exceeding \$5,000	
	Equipment item	Funds Requested (\$)
Ad	Iditional Equipment: Add Attachment Delete Atta	achment View Attachment
	Total funds requested for all equipment listed in the attached file	
	Total Equipment	
D.	Travel	Funds Requested (\$)
1.	Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)	2,250.00
2.	Foreign Travel Costs	
	Total Travel Cost	2,250.00
<u>E.</u>	Participant/Trainee Support Costs	Funds Requested (\$)
1.	Tuition/Fees/Health Insurance	
2.	Stipends	
3.	Travel	
4.	Subsistence	
5.	Other	
	Number of Participants/Trainees Total Participant/Trainee Support Costs	

F. Other Direct Costs

F.	Other Direct Costs	Funds Requested (\$)
1.	Materials and Supplies	
2.	Publication Costs	
3.	Consultant Services	
4.	ADP/Computer Services	
5.	Subawards/Consortium/Contractual Costs	
6.	Equipment or Facility Rental/User Fees	
7.	Alterations and Renovations	
8.	Airboat Maintenance	2,000.00
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
	Total Other Direct Costs	2,000.00
<u>G. I</u>	Direct Costs	Funds Requested (\$)
	Total Direct Costs (A thru F)	15,675.00
<u>H. I</u>	ndirect Costs	
ı	Indirect Cost Type Indirect Cost Rate (%) Indirect Cost Base (\$)	Funds Requested (\$)
l	Modified Total Direct Cost 17.50 15,675.00	2,743.00
	Total Indirect Costs	2,743.00
	nizant Federal Agency	2,743.00
	ency Name, POC Name, and Endougher Proceedings of the Police of the Poli	
I. T	otal Direct and Indirect Costs	Funds Requested (\$)
	Total Direct and Indirect Institutional Costs (G + H)	18,418.00
J. F	ee	Funds Requested (\$)
K . ⁻	Total Costs and Fee	Funds Requested (\$)
	Total Costs and Fee (I + J)	18,418.00
<u>L. E</u>	Budget Justification	
(Onl	v attach one file) Add Attachment Delete Attachmen	nt View Attachment

RESEARCH & RELATED BUDGET - Budget Period 4

OMB Number: 4040-0001 Expiration Date: 11/30/2025

	UEI:	G95LD67WQ8	8N5 Er	iter name of Organ	ization:	Broward Co	llege					
Budget Type:	Project	⊠ Subawa	ard/Consortium		В	udget Perio	d: 4	Start	t Date: [10/01/2027	End Date: 09/30/2	2028
A. Senior/Key	Person											
Prefix	First	Middle	Last	Suffix	Base Sa	alary (\$)	Mo Cal. A	onths Acad. S	Sum.	Requested Salary (\$)	Fringe Benefits (\$)	Funds Requested (\$)
Dr.	David		Serrano			, , ,	1.38			9,396		
Project Role:	PD/PI											
Add Attachment Delete Attachment View Attachment View Attachment Key Persons in the attached file												
										т	otal Senior/Key Person	11,425.00
B. Other Pers	onnel											
Number of	osecuto esitas telasia					Month	s		D		Frience	Funds
Personnel	Project	Role			С	al. Acad		۱.		uested ary (\$)	Fringe Benefits (\$)	Requested (\$)
	Post Doctoral	Associates										
	Graduate Stud	lents										
	Undergraduate	e Students						\exists \Box				
	Secretarial/Cle	erical										
	Total Number C	Other Personn	iel								Total Other Personnel	
							Tot	al Sala	ary, Wa	iges and Frii	nge Benefits (A+B)	11,425.00

C.	Equipment Description	
Lis	st items and dollar amount for each item exceeding \$5,000	
	Equipment item	Funds Requested (\$)
Ad	ditional Equipment: Add Attachment Delete Atta	chment View Attachment
	Total funds requested for all equipment listed in the attached file	
	Total Equipment	
D.	Travel	Funds Requested (\$)
1.	Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)	2,250.00
2.	Foreign Travel Costs	
	Total Travel Cost	2,250.00
E.	Participant/Trainee Support Costs	Funds Requested (\$)
1.	Tuition/Fees/Health Insurance	
2.	Stipends	
3.	Travel	
4.	Subsistence	
5.	Other	
	Number of Participants/Trainees Total Participant/Trainee Support Costs	



F. Other Direct Costs			Funds Requested (\$)
1. Materials and Supplies			
2. Publication Costs			
3. Consultant Services			
4. ADP/Computer Services			
5. Subawards/Consortium/Contractual Costs			
6. Equipment or Facility Rental/User Fees			
7. Alterations and Renovations			
8. Airboat Maintenance			2,000.00
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
		Total Other Direct Costs	2,000.00
G. Direct Costs			Funds Requested (\$)
	Total Dir	rect Costs (A thru F)	15,675.00
H. Indirect Costs Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Boss (\$)	Funda Daguastad (\$)
Modified Total Direct Cost	17.50	15,675.00	Funds Requested (\$)
Modified Total Direct Cost	17.50	15,675.00	2,743.00
		Total Indirect Costs	2,743.00
Cognizant Federal Agency (Agency Name, POC Name, and			
POC Phone Number)			
I. Total Direct and Indirect Costs			Funds Requested (\$)
Total Di	rect and Indirect Institu	itional Costs (G + H)	18,418.00
J. Fee			Funds Requested (\$)
K. Total Costs and Fee	T-4-1 /	Costs and Fee (I + J)	Funds Requested (\$)
L Budget luctification	lotai	Josis and Fee (i + J)	18,418.00
L. Budget Justification	Add Attach	mont Doloto Attachmo	Viou Attachment

RESEARCH & RELATED BUDGET - Budget Period 5

OMB Number: 4040-0001 Expiration Date: 11/30/2025

UEI: **Enter name of Organization:** G95LD67WQ8N5 Broward College Subaward/Consortium Start Date: |10/01/2028 End Date: 09/30/2029 **Budget Type:** □ Proiect **Budget Period: 5** A. Senior/Key Person **Months** Requested Fringe **Funds Prefix** Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) **First** Middle Last Base Salary (\$) David 1.38 2,029.00 Dr. Serrano 9,396.00 11,425.00 Project Role: PD/PI Total Funds requested for all Senior **Delete Attachment** Add Attachment View Attachment **Additional Senior Key Persons:** Key Persons in the attached file **Total Senior/Key Person** 11,425.00 **B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Personnel Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** Secretarial/Clerical **Total Number Other Personnel Total Other Personnel** Total Salary, Wages and Fringe Benefits (A+B) 11,425.00

C.	Equipment Description	
Lis	st items and dollar amount for each item exceeding \$5,000 Equipment item	Funds Requested (\$)
Ad	ditional Equipment: Add Attachment Delete Atta	achment View Attachment
	Total funds requested for all equipment listed in the attached file	
	Total Equipment	
D.	Travel	Funds Requested (\$)
1.	Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)	2,250.00
2.	Foreign Travel Costs	
	Total Travel Cost	2,250.00
Ε.	Participant/Trainee Support Costs	Funds Requested (\$)
1.	Tuition/Fees/Health Insurance	
2.	Stipends	
3.	Travel	
4.	Subsistence	
5.	Other	
	Number of Participants/Trainees Total Participant/Trainee Support Costs	

F. Other Direct Costs			Funds Requested (\$)
1. Materials and Supplies			
2. Publication Costs			
3. Consultant Services			
4. ADP/Computer Services			
5. Subawards/Consortium/Contractual Costs			
6. Equipment or Facility Rental/User Fees			
7. Alterations and Renovations			
8. Airboat Maintenance			2,000.00
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
		Total Other Direct Costs	2,000.00
G. Direct Costs			Funds Requested (\$)
	Total Dir	rect Costs (A thru F)	15,675.00
H. Indirect Costs Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Boss (\$)	Funda Daguastad (\$)
Modified Total Direct Cost	17.50	15,675.00	Funds Requested (\$)
Modified Total Direct Cost	17.50	15,675.00	2,743.00
		Total Indirect Costs	2,743.00
Cognizant Federal Agency (Agency Name, POC Name, and			
POC Phone Number)			
I. Total Direct and Indirect Costs			Funds Requested (\$)
Total Di	rect and Indirect Institu	itional Costs (G + H)	18,418.00
J. Fee			Funds Requested (\$)
K. Total Costs and Fee	T-4-1 /	Costs and Fee (I + J)	Funds Requested (\$)
L Budget luctification	lotai	Josis and Fee (i + J)	18,418.00
L. Budget Justification	Add Attach	mont Doloto Attachmo	Viou Attachment

Docusign Envelope ID: D876C170-4250-458E-8A0A-559995C3CF73 RESEARCH & RELATED BUDGET - Cumulative Budget

ATTACHMENT 5

	Tota					
Section A, Senior/Key Person		57,125.00				
Section B, Other Personnel						
Total Number Other Personnel						
Total Salary, Wages and Fringe Benefits (A+B)		57,125.00				
Section C, Equipment						
Section D, Travel		11,250.00				
1. Domestic	11,250.00					
2. Foreign	,					
Section E, Participant/Trainee Support Costs						
1. Tuition/Fees/Health Insurance						
2. Stipends						
3. Travel						
4. Subsistence						
5. Other						
6. Number of Participants/Trainees						
Section F, Other Direct Costs		10,000.00				
1. Materials and Supplies						
2. Publication Costs						
3. Consultant Services						
4. ADP/Computer Services						
5. Subawards/Consortium/Contractual Costs						
6. Equipment or Facility Rental/User Fees						
7. Alterations and Renovations						
8. Other 1	10,000.00					
9. Other 2						
10. Other 3						
11. Other 4						
12 . Other 5						
13. Other 6						
14. Other 7						
15. Other 8						
16. Other 9						
17 . Other 10						

2024-10-01

Section H, Indirect Costs

Section I, Total Direct and Indirect Costs (G + H)

Section J, Fee

Section K, Total Costs and Fee (I + J)

78 , 375.00
13,715.00
92,090.00
92,090.00



Broward College Proposal Budget W81EWF-24-SOI-0020

A. Direct Labor (\$46,980)

This budget includes direct labor costs for the co-PI to actively participate in the project at a rate of 1.38 calendar months per year. This breaks down to \$9,396 per year of the project.

B. Fringe Benefit Rates (\$10,145)

Fringe benefit rates for faculty members at Broward College is calculated at 21.59% of the base rate salary per year. This breaks down to \$2,029 per year of the project.

C. Travel (\$11,250)

Travel expenses are requested for airboat fuel at a rate of 15 gallons per day at \$5 per gallon; we anticipate approximately 30 airboat trips per year, which will cost \$2,250 per year.

D. Materials and Supplies

No funds for materials and supplies are being requested.

E. Equipment

No funds for equipment are being requested.

F. Tuition:

No funds for tuition are being requested.

G. Publication Costs:

No funds for publication costs are being requested.

H. Other Direct Costs (Subcontract – \$10,000)

Airboat maintenance costs are being requested at a rate of \$2,000 per year to assist in offsetting the annual maintenance.

I. Indirect Costs (\$13,715):

Indirect Costs are calculated at 17.5% on a Modified Total Direct Cost basis.



Attachment 6

Notice of Award (NOA) and any additional documents

\odot	The following pages include the NOA and if applicable any additional documentation referenced throughout this Subaward.
0	Not incorporating the NOA or any additional documentation to this Subaward.



DEPARTMENT OF THE ARMY U. S. ARMY ENGINEER RESEARCH AND DEVELOPMENT CENTER (ERDC) ERDC CONTRACTING OFFICE 3909 HALLS FERRY ROAD VICKSBURG, MISSISSIPPI 39180-6199

RESEARCH AND DEVELOPMENT COOPERATIVE AGREEMENT

1. Recipient Name and Address:

University of Florida/DBA Division of Sponsored Research 1523 Union Road, RM 207 Gainesville, FL 32611-1941

Tax ID No.: 59-6002052 UEI: NNFQH1JAPEP3 Cage Code: 5E687

- 2. Cooperative Agreement Title: "Wading Bird Colony Location, Size, Timing, and Reproductive Success in Lake Okeechobee"
- 3. Federal Award Identification Number (FAIN): W912HZ-24-2-0031

This agreement is issued under the terms of the South Florida-Caribbean Cooperative Ecosystems Studies Unit (CESU)

- 4. Funding Opportunity Announcement Number: W81EWF-24-SOI-0020
- 5. Statutory Authority: 10 U.S.C. 4001
- 6. **Assistance Listing:** 12.630 Basic, Applied, and Advanced Research in Science and Engineering
- 7. **Awarding Office:** ERDC Contracting Office Vicksburg Office (W912HZ) 3909 Halls Ferry Rd Vicksburg, MS 39180-6199
- 8. Recipient Program Manager / Principal Investigator:

Dr. Corey Callaghan

Email: c.callaghan@ufl.edu

9. Grants Officer:

Timothy D. Black

Phone: (601) 634-3296

Email: Timothy.D.Black@usace.army.mil



10. Grants Specialist:

Stacy Thurman

Phone: (601) 634-3198

Email: Stacy.D.Thurman@usace.army.mil

11. Grants Officer's Representative (GOR):

Sherry Whitaker

Phone: (601) 634-2990

Email: Sherry.L.Whitaker@usace.army.mil

12. Government Technical Representative:

Javier Cortes

Phone: (904) 232-1896

Email: Javier.Cortes@usace.army.mil

13. **Federal Award Project Description:** The research effort to be accomplished is described in the proposed effort in Exhibit 1.

14. **Period of Performance:** This award is for Year 1 with a period of performance of 01 October 2024 through 30 September 2025. The Government may elect to support up to four (4) additional 12-month periods of activity under this Cooperative Agreement by extending the performance period for a total not to exceed 60 months. Each additional 12-month period will be accomplished in the form of a bilateral modification to this Cooperative Agreement citing a change in the completion date of the Cooperative Agreement and adding additional funds.

Future Budget Periods: Subsequent budget periods are subject to the availability of funds, program authority, satisfactory performance, and compliance with the terms and conditions of this Federal award.

15. Award Amount: \$123,958.00

Included options are detailed below:

Year 2: \$126,953.00 Year 3: \$130,714.00 Year 4: \$134,051.00

Year 5: \$137,529.00

16. Obligation of Federal Funds:

Funding in the amount of \$123,958.00 is being provided as follows:

PR&C - W81EWF40920781

LINE 0001 - \$123,958.00

LOA: 96X3122 0000 082444 251014H65F 002860 NA 96083



- 17. Total Approved Cost Sharing, if applicable: 100% USACE Funded
- 18. Indirect Cost Rate: 17.5%
- 19. **Administered by:** U.S. Army Corps of Engineers (USACE), ERDC Contracting Office (ECO), 3909 Halls Ferry Road, Vicksburg, MS 39180-6199.
- 20. **General Terms and Conditions:** This Cooperative Agreement is subject to the Department of Defense Research and Development General Terms and Conditions (September 2023) which is hereby incorporated by reference with the same force and effects as if fully set for herein. The full text may be accessed electronically at https://www.nre.navy.mil/work-with-us/manage-your-award/manage-grant-award/grants-terms-conditions
- 21. **Award Specific Terms and Conditions:** All use of vehicles in the performance of this agreement, whether manned or unmanned, shall be in accordance with applicable state, Federal, and local laws, executive orders, rules and regulations, USACE policy, and university policy regarding the use and operation of vehicles. This applies to both recipient(s) and any subrecipients.

This Agreement is governed solely by U.S. Law. All Payments will be made in U.S. Dollars.

22. Government Furnished Property: N/A

23. Reporting Requirements:

Reporting requirements are pursuant to the requirements of Department of Defense Research and Development General Terms and Conditions (September 2023) found at https://www.nre.navy.mil/work-with-us/manage-your-award/manage-grant-award/grants-terms-conditions

In accordance with 2 CFR 200.328 (Financial Reporting) and 2 CFR 200.329 (Program Performance)

Report	Requirements/Form	Frequency	Means of
			Submission
ERDC Progress	Progress during the	Upon SF 270 submittal	
Report	period covered by the	7000	
	corresponding SF 270		
Research	OMB Control Number:	Annually	E-mail
Performance Progress	0704-0527	-	
Reports (Interim and			
Final)			
Financial Report	SF 425	Bi-annually	E-mail
Payment Report	SF 270	Monthly	E-mail
Closeout Report	See OAR Article VI of	Once	E-mail
	DoD R&D General		
	Terms and Conditions		



ERDC progress reports must be submitted to the GOR identified in Section 11 above.

Final performance reports are due within 60 calendar days of expiration of period of performance, or final deadline for the individual task, whichever occurs first.

24. **Payments:** Payments will be made by Electronic Funds Transfer (EFT) pursuant to the "Payments" article in Department of Defense Research and Development General Terms and Conditions (September 2023) found at https://www.nre.navy.mil/work-with-us/manage-your-award/manage-grant-award/grants-terms-conditions

25. The payment office is:

USACE Finance Center 5722 Integrity Drive Millington, TN 38054-5005 CEFC.CEFC-Payments@usace.army.mil

The Recipient shall:

Submit Grant Voucher directly to the payment office and GOR identified above.

Attach progress reports as required in Section 23.

The Administrative Office and GOR will:

Review/approve the voucher in accordance with the award within five (5) business days.

Request a CEFMS receiving report be created for the amount approved on voucher.

Government Participation: USACE technical personnel may participate in field data collection efforts, as appropriate, review contract deliverables, and provide input prior to submission of final reports. USACE personnel will collaborate with the recipient/awardee on data analysis and contributions to CERP System Status Reports and for updates to performance measures, conceptual ecological models, and hypothesis clusters. USACE personnel will participate in technical meetings where results of this work may be discussed with agency staff including project managers, plan formulators, project engineers, etc.

Notwithstanding the recipient's technical and cost proposals, the Government's obligation to the recipient is restricted to the funding stated in Paragraph 16 above.



THIS COOPERATIVE AGREEMENT IS BEING ENTERED INTO PURSUANT 10 U.S.C. 4001.

FOR THE RECIPIENT:

Digitally signed by Elizabeth Keeter Reeter Date: 2024.09.09 12:50:51

DATE: September 9, 2024

Signature

Typed Name: Elizabeth Keeter

Title: Associate Director, Sponsored Programs

FOR THE UNITED STATES OF AMERICA:

Digitally signed by **BLACK.TIMOTHY.DO** BLACK.TIMOTHY.DOUGLAS.11193739 UGLAS.1119373987 DATE ate: 2024.09.10 09:36:29 -05'00'

Timothy Black **Grants Officer** United States of America

Exhibit 1 - Proposal



Full Technical Proposal (June 4th, 2024) W81EWF-24-SOI-0020

Dr. Corey T. Callaghan (PI and Point of contact)
Department of Wildlife Ecology and Conservation
Fort Lauderdale Research and Education Center
Davie, FL
University of Florida
email: c.callaghan@ufl.edu
p: 352-659-1186

Dr. David Serrano (co-PI)
Environmental Science Bachelors Program
Davie, FL
Broward College

Brittany M. Mason (Research Assistant)
Department of Wildlife Ecology and Conservation
Fort Lauderdale Research and Education Center
Davie, FL
University of Florida



1. Background

The Comprehensive Everglades Restoration Plan (CERP) is an important initiative aimed at restoring the south Florida ecosystem, which has experienced significant degradation due to human activities. Central to this restoration effort is the adaptive assessment and monitoring program, which ensures that restoration activities are effectively meeting their goals. Wading birds are a dominant guild of predators in the Everglades ecosystem and serve as key indicator species due to their sensitivity to changes in wetland habitat and hydrologic conditions (Crozier and Gawlik 2003). Monitoring the breeding populations of wading birds provides an integrative measure of ecosystem health, reflecting the success of restoration efforts in improving habitat quality and hydrological regimes. By continuing and contributing to a long-term dataset that records and monitors annual changes in wading bird populations in the Lake Okeechobee basin, this research will provide essential data to evaluate the effectiveness of CERP. This data will not only inform adaptive management strategies but also help to identify areas where restoration efforts can be improved to ensure the recovery and sustainability of the Everglades ecosystem. Our research will contribute to a broader understanding of ecological responses to restoration and support the longterm success of CERP by providing actionable insights into the health of the south Florida ecosystem.

2. Objectives

Our proposal is structured to meet the stated objectives of the Funding Opportunity W81EWF-24-SOI-0020. The key objectives of our research are as follows:

Objective 1: Provide an Annual Summary of Nesting Colonies

We will provide an annual summary with monthly temporal resolution of the size, location, and species composition of nesting colonies of wading birds breeding in the Lake Okeechobee basin. This detailed monitoring will enable us to track changes in wading bird populations and habitat use over time, providing critical data to assess the effectiveness of restoration efforts, especially when combined with historical wading bird summaries.

Objective 2: Assess Nest Success and Productivity

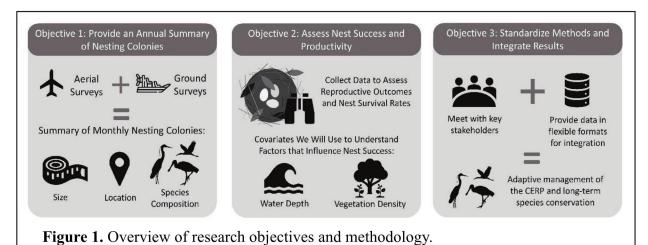
We will provide an annual summary of quantitative information on nest success and nest productivity of the wading bird community. By closely monitoring reproductive outcomes, we can better understand the factors influencing wading bird breeding success and understand the inherent variability of this success as well as identify any potential issues that may need to be addressed to enhance restoration success.

Objective 3: Standardize Methods and Integrate Results

We will work towards the standardization of methods and the integration of results from all projects monitoring wading birds in the south Florida ecosystem. This will ensure consistency in data collection and analysis, facilitating more accurate comparisons and comprehensive assessments of restoration impacts across different regions and projects.



3. Technical Approach



Our methodological design ensures a comprehensive, systematic, and collaborative approach to meet the objectives of the CERP Monitoring and Assessment Plan. Our fieldwork will involve planning, standardized data collection, and rigorous quality control to monitor wading bird populations accurately, while attempting to account for uncertainty. Collaboration with the South Florida Water Management District (SFWMD) and other relevant agencies is important and will be central to the project. We will initiate the project by onboarding with the wading bird report team from SFWMD and maintain regular communication to align our efforts. Additionally, we are committed to open science principles, ensuring transparency and accessibility of our research. Our data management plan details procedures for data collection, storage, sharing, and archiving, adhering to FAIR principles. We will aim publish our findings in open-access journals and provide regular updates through various platforms, ensuring our research is reproducible and accessible to

stakeholders and the broader scientific community. Below is our proposed methodological plan

3.1 Objective 1: Annual Summary of Nesting Colonies

for each of the objectives.

To meet Objective 1, providing annual summaries of nesting colonies, we will implement a structured and systematic aerial survey methodology, building on previous successful approaches used in the Lake Okeechobee basin (David 1994). Monthly aerial surveys, from February to June, will be conducted each month to confirm the onset, and conclusion, of the breeding season. These surveys will follow east-to-west transects spaced 3 kilometers apart, ensuring comprehensive coverage of the basin. Two trained observers will be present on each flight: one to record data in real-time and the other to take photographs for later verification, of known or potential colonies. Flights will be conducted at an altitude of ~400 meters and a speed of around 186 kilometers per hour (Essian 2022). This altitude and speed combination allows for broad area coverage while maintaining visibility of nesting colonies.

Upon detecting a colony, the aircraft will circle down to an altitude of \sim 120 meters (Essian 2022), allowing for detailed observations and photography. Observers will estimate the number of nests and identify species composition within detected colonies, with colonies defined as assemblages of nesting wading birds separated by at least 200 meters. To enhance the accuracy and utility of



our data, we will obtain GPS coordinates for each detected colony, ensuring precise geolocation for spatial analysis and mapping. To ensure accuracy, ground surveys will be performed to verify aerial counts. This will involve circling the perimeter of each detected colony by airboat at a distance of 25 to 50 meters. By employing these standardized methods, we will provide annual summaries with monthly temporal resolution detailing the size, location, and species composition of nesting colonies.

Data will be reported in various formats to facilitate accessibility and utility. Annual summary reports will be generated, including detailed maps and tables of colony locations and compositions. These reports will be complemented by interactive GIS-based maps, allowing stakeholders to visualize and explore the data dynamically.

3.2 Objective 2: Nest Success and Productivity

To achieve Objective 2, we will implement a comprehensive monitoring program focused on assessing nest success and productivity of wading bird populations in the Lake Okeechobee basin. Our approach involves systematic field surveys throughout the breeding season, from approximately February to June, to monitor and record data on nest survival rates and reproductive outcomes. We anticipate visits to nesting sites approximately 1 or 2 times per week. Representative sampling sites across different habitat types will be selected to capture spatial variability in nesting success. This selection process will ensure that we cover a range of environmental conditions and habitat characteristics, providing a robust dataset for analysis. We will identify and mark individual nests to ensure a random and representative sample of the wading bird population. This will involve careful and minimally invasive techniques to avoid disturbing the birds and their nesting activities. Each nest will be marked using discreet, biodegradable markers placed at a safe distance to ensure that they do not attract predators or cause any distress to the nesting birds. Additionally, the location of each nest will be recorded using GPS coordinates to facilitate accurate mapping and future monitoring. Nest monitoring will include recording data on key reproductive parameters such as nest initiation date, clutch size, hatching success, and fledging success. Observers will visit each nest at regular intervals, using binoculars and spotting scopes to minimize disturbance, when possible. Observations will be made from a distance whenever possible, ensuring that the presence of researchers does not disrupt the natural behavior of the birds.

Environmental covariates such as water depth and vegetation density, which has been documented to influence wading bird abundance (Bancroft et al. 2002), at each nesting site will be estimated and collected. We anticipate integrating these data with data from other relevant sources (e.g., other collected data by other entities, satellite remote sensing data).

The collected data will be analyzed using advanced statistical methods to understand the factors influencing nest success and productivity. This will build on previous research which examined water management decisions on breeding abundance of wading birds in Lake Okeechobee (Essian et al. 2022). Generalized linear mixed models (GLMMs) will be employed to examine the effects of environmental covariates on reproductive outcomes and make predictions about basin-wide estimates of nest success, with associated uncertainty. These models will incorporate random effects for colony and year to account for hierarchical data structure and temporal variability. By including these random effects, we aim to isolate the specific impacts of each environmental variable while controlling for differences across colonies and breeding seasons. Additionally,



logistic exposure models will be used to estimate daily nest survival rates, allowing us to discern patterns in nest success during the incubation and nestling periods (Knutson et al. 2007). The integration of these modeling approaches will enable us to identify key drivers of reproductive success and provide insights into the spatial and temporal variability of wading bird nesting success in the Lake Okeechobee basin.

Data on nest success and productivity will be reported through various formats to ensure accessibility and utility. Annual summary reports will be generated, detailing key findings with comprehensive tables and graphs illustrating nest survival rates, clutch sizes, hatching success, and fledging success. We will also provide associated R scripts allowing the processing of the models and data by any interested stakeholders.

3.3 Objective 3: Standardization and Integration

To achieve Objective 3, we will focus on standardizing monitoring methods and integrating results from all projects monitoring wading birds in the south Florida ecosystem. At the beginning of the funding period, we will organize a collaborative meeting with key stakeholders and other monitoring parties, such as the South Florida Water Management District (SFWMD) and other funded parties conducting wading bird monitoring in south Florida. This meeting, or series of meetings will help us develop standardized protocols for data reporting, ensuring consistency across different projects. For our project, we anticipate being able to provide data in flexible formats that meet the expectations of all stakeholders and facilitate easy integration with other datasets. Regular communication and periodic meetings will ensure ongoing collaboration and data sharing. By aligning our methods with existing monitoring efforts, we will enhance the transferability and generalizability of the data collected, supporting the adaptive management of the Comprehensive Everglades Restoration Plan (CERP), and contributing to the long-term conservation of wading bird populations in the region.

3.4 Adaptive Methodological Approaches

New technologies and methodologies are rapidly being developed in the field of ecological monitoring, offering innovative ways to enhance data collection and analysis. For instance, unmanned aerial vehicles (UAVs) can be used to locate wading bird colonies more efficiently, while digital imaging and artificial intelligence (AI) techniques can help identify and quantify bird populations with greater accuracy (Lyons et al. 2019; Wu et al. 2022). Additionally, citizen science data provides a valuable resource for monitoring efforts, leveraging the contributions of a broad network of observers (Callaghan and Gawlik 2015; Lee and Skripnikov 2003). Our team actively engages with the latest research and advancements in these areas, attending conferences, reading current literature, and participating in relevant workshops. While we remain committed to meeting the primary objectives and deliverables of our project, we are also open to exploring and incorporating these cutting-edge technologies as opportunities arise. This adaptive approach ensures that our methodologies remain at the forefront of scientific innovation, enhancing the overall effectiveness of our monitoring and conservation efforts.

4. Prior Work and Experience

The project team will be led by Dr. Corey T. Callaghan as the lead coordinator, with Brittany M. Mason serving as the field technician and data management analyst. Dr. David Serrano will be an advisor, contributing to and helping with field work given his familiarity with Lake Okeechobee.



Each year, we will recruit at least two undergraduate interns from Dr. David Serrano's class at Broward College to assist with fieldwork and data management. Additionally, we envision involving one graduate student throughout the project duration to contribute to various project tasks. Currently, only Dr. Callaghan, Ms. Mason, and Dr. Serrano are identified as key team members, for which we detail prior work and experience below, but please refer to the attached biosketches for their detailed qualifications and experience.

4.1 Corey T. Callaghan

Dr. Corey T. Callaghan, an Assistant Professor in the Department of Wildlife Ecology and Conservation at the University of Florida, has an extensive background in ecological research, particularly focusing on biodiversity data integration and monitoring. Dr. Callaghan has led numerous projects, including a study funded by the Florida Fish and Wildlife Conservation Commission that quantified the impacts of the invasive Gray-headed Swamphen in South Florida. This project successfully met its objectives, resulting in comprehensive assessments that guided management actions and produced two publications. One being a research paper that quantified Swamphen diet in South Florida (Callaghan and Gawlik 2016). He also served as the Lead Principal Investigator for a Biodiversity Sampling Optimization project funded by the New South Wales Environmental Trust (Australia), which aimed at enhancing data accuracy for conservation strategies and resulted in four publications. Additionally, Dr. Callaghan co-led the Wildlife and Habitat Bushfire Recovery program, a major initiative funded by the Department of Agriculture, Water & The Environment, which focused on developing resilience and recovery strategies for ecological communities affected by bushfires, culminating in three publications. His specific experience with wading birds includes training in a wading bird ecology lab at Florida Atlantic University, extensive fieldwork in wading bird colonies in the US and Australia, and the use of drones to automate the detection and identification of wading bird nests. His drone research led to a publication detailing a generalized semi-automated approach that uses machine learning to map target species in drone imagery (Lyons et al. 2019). He has been part of an ongoing effort aimed at collating global wading bird nesting counts and abundance, and associated hydrologic data, as part of a global synthesis project. Dr. Callaghan also has interest in citizen science, and through previous research found that citizen science data can produce similar population estimates to standardizes surveys (Callaghan and Gawlik 2015). His broad research work has contributed to over 90 refereed publications, proving his success in carrying out the execution of a project from start to finish.

4.2 David Serrano

Dr. David Serrano, a Professor and Program Manager at Broward College, has a distinguished background in insect ecology and biology, with a specific focus on the response of cavity-nesting Hymenoptera to fire management in various Florida state parks. Currently, he leads the surveying and monitoring of arthropod biodiversity in Florida State Parks, supported by continuous research and collection permits from the Florida Department of Environmental Protection since 2018. Dr. Serrano has nine years of experience teaching Advanced Field Techniques (PCB4341C), involving significant fieldwork and numerous trips to Lake Okeechobee. His teaching includes skills directly applicable to the proposed project, such as field safety, bird surveys, biological sampling, and various watercraft operations. Dr. Serrano is an active member of several scientific societies, including the Ecological Society of America and the Entomological Society of America, where he



serves in leadership roles. His extensive field experience and academic contributions make him a valuable asset to the project.

4.3 Brittany M. Mason

Brittany M. Mason, a research assistant in the Global Ecology Research Group at the University of Florida, coordinates day-to-day activities and operations within the group. With over six years of experience working in the remote Everglades ecosystem, Brittany brings a wealth of practical field expertise to the project. She completed the Airboat and Motorboat Operator Certification Course offered by the U.S. Fish and Wildlife Service and has accumulated over 100 hours of independent airboat and motorboat operation in the Everglades. Additionally, Brittany has participated in fixed-wing aircraft radio telemetry research in South Florida and completed basic aviation training and water ditching and survival training through the Department of Interior. Furthermore, Brittany served as a project manager for funded research projects on the surveillance of Argentine Black and White Tegus and population monitoring of American Alligators, which are an indicator species of Everglades restoration. For these projects, she was responsible for field coordination, staff training, project execution, and annual report writing under the supervision of the project principal investigator and in collaboration with her colleagues. Her hands-on experience in field operations, combined with her coordination skills, ensures efficient and effective implementation of project activities. Brittany's involvement will be instrumental in training and mentoring interns from Broward College, further supporting the project's objectives.

5. Project roles

5.1 Corey T. Callaghan

Dr. Corey T. Callaghan will be the Principal Investigator (PI) of the project, leveraging his extensive experience in biodiversity monitoring, statistical analysis, technological ecological monitoring, and ornithology. His role will encompass coordinating project activities, including organizing and leading regular meetings with team members and stakeholders to ensure alignment and progress toward project goals. He will oversee the planning and execution of fieldwork activities, ensuring that data collection protocols are rigorously followed and that field operations run smoothly. Dr. Callaghan will also lead the statistical analyses of the collected data, applying advanced modeling techniques to interpret the results and generate insights that inform the project's objectives. Additionally, he will ensure that all project deliverables are met on time and to the highest standard, including the preparation and submission of reports, publications, and data sets. Maintaining ongoing communication with project stakeholders, he will keep them informed of project progress and findings. Furthermore, he will stay abreast of the latest advancements in ecological monitoring technologies and methodologies, integrating innovative approaches into the project as appropriate to enhance data collection and analysis.

5.2 Brittany M. Mason

Brittany Mason will be the research assistant for the project, leveraging her background in project management, fieldwork, and data curation. Her role will encompass coordinating and conducting fieldwork, creating and managing a database for collected data, assisting with permit acquisition, and training and supervising undergraduate interns. Brittany will curate data for annual reports and assist with data analysis and report writing under Dr. Callaghan's supervision. Her experience in conducting fieldwork and managing projects in the Everglades ecosystem makes her well-equipped to successfully fulfill her role in this project.



5.3 David Serrano

Dr. David Serrano will be the Co-Principal Investigator (Co-PI) of the project, using his extensive experience in biodiversity surveying, field work, logistics, vessel operations, student field training and student mentorship to ensure the overall execution and success of the project. His role will include working with Dr. Callaghan to ensure the success of field excursions and data collection by managing logistics, field gear, and a qualified student intern workforce. He will also oversee the use and maintenance of the vessels required to meet the objectives of the study. Dr. David Serrano will coordinate and oversee the recruitment of undergraduate interns from Broward College (a Minority Serving Institution, Undergraduate Institution), ensuring that highly qualified candidates are selected to support the project's fieldwork and data management activities. These internships will provide experience of scientific field work to underrepresented students that are looking to join the conservation career path. Additionally, Dr. Serrano will assist in preparing reports in collaboration with the PI, contributing to the documentation and dissemination of the project's findings. Dr. Serrano's decades of experience with south Florida ecosystems/ Lake Okeechobee, field work, field equipment, logistics and student training will be crucial in providing a well-supported and safe completion of the project objectives.

6. Equipment, Data, and Facilities

The University of Florida (UF) is a leading research institution with a long-standing history of successfully administering contracts and grants from the US Army Corps of Engineers (USACE) and other major funding agencies. UF oversees more than \$1 billion in research projects annually, demonstrating its robust infrastructure and capacity for managing large-scale research initiatives. The university provides extensive resources and support, including advanced computational tools and software, high-performance computing facilities, and a dedicated team for grant administration, ensuring seamless project execution and compliance with funding requirements.

The Global Ecology Research Group, led by Dr. Corey T. Callaghan, is exceptionally equipped to undertake this project. The group possesses the necessary computational tools and software, along with expertise in biodiversity monitoring, statistical modeling, and ecological research. Brittany M. Mason, a key member of the team, brings invaluable field experience and technical knowledge, particularly within the Everglades ecosystem. The collaboration with Dr. David Serrano's lab at Broward College further strengthens our capabilities, and between our research groups we have access to a 17 ft. Diamond Back Airboat, a 17 ft. Center Console Sea Ark, a 13 ft. shallow running river/lake boat with a Tiller Drive, multiple trucks equipped with towing abilities, necessary optics, and other essential field equipment (e.g., safety equipment, GPSs). Dr. Callaghan's leadership is bolstered by his extensive network of collaborations across academic and conservation organizations, enhancing our access to diverse expertise and data resources. Together, these resources and collective expertise position our team to comprehensively address the project's objectives, ensuring a detailed and impactful study.

7. Deliverables

Our deliverables include information on the monthly resolution of nesting colonies, summarized from aerial flights and colony visits. We will provide the data associated with the colony visits each year, including estimates of nest productivity. We will also provide a geodatabase of where



the colonies are located. These deliverables will be met in the form of an annual report encompassing this information.

8. Conclusion

Our proposed research aims to provide comprehensive and accurate monitoring of wading bird populations in the Lake Okeechobee basin, contributing essential data to evaluate the effectiveness of the Comprehensive Everglades Restoration Plan (CERP). Through systematic field surveys, advanced statistical analyses, and collaborative efforts with key stakeholders, we will enhance our understanding of wading bird breeding success and productivity. By integrating innovative methodologies and maintaining a commitment to open science principles, we will ensure that our findings are accessible and actionable, supporting the long-term conservation and restoration of the south Florida ecosystem.



9. References

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10. Data Management Plan

Our data management plan ensures that all data generated through the proposed research will be shared and preserved in a manner that is both scientifically appropriate and aligns with best practices for open science principles. Below, we outline the key considerations and procedures for data management throughout the project lifecycle. By adhering to this comprehensive data management plan, we aim to ensure the integrity, accessibility, and long-term usability of the data generated from our research, thereby supporting ongoing and future conservation efforts in the south Florida ecosystem.

7.1 Types of Data, Software, and Other Materials to be Produced

The data generated will include observational data on wading bird nesting colonies, nest success, and productivity, environmental covariate measurements, GPS coordinates, and photographic records. Additionally, we will produce statistical models and analytical scripts used in data analysis.

7.2 Data Acquisition

Data will be acquired through systematic field surveys conducted each month, and with a focus from February to June each year, corresponding with the peak breeding season. This includes aerial surveys, ground verification, and detailed nest monitoring. We also anticipate acquiring data that has already been collected under the previous monitoring initiatives, which will be done in collaboration with the SFWMD Lake Okeechobee team.

7.3 Time and Location of Data Acquisition

Flight data will be collected monthly with field visits tentatively planned from February to June, during the peak breeding season for wading birds, or earlier or later, dependent on the onset or conclusion of the breeding season. The primary location of data acquisition will be the Lake Okeechobee basin in south Florida.

7.4 Data Processing

Field data will be collected using standardized data sheets made by our team and entered into a secure database, where it will be cleaned, verified, and subjected to quality control measures such as a random 10% quality control process with dual data managers. Statistical models will be developed and validated to analyze the data, predominantly done in R.

7.5 File Formats and Naming Conventions

Data will be stored in standardized formats such as CSV for tabular data, GeoJSON for spatial data (i.e., the extent of the individual nesting colonies), and JPEG for photographic records. Naming conventions will follow a structured format, such as XXX_###_DATE_LOCATION, where XXXX is the project name and ### is the type of data.

7.6 Quality Assurance and Quality Control Measures



Quality assurance and quality control (QA/QC) measures will be implemented at all stages of data collection, analysis, and processing. This includes regular calibration of equipment, double-checking data entries, and peer review of data analysis procedures.

7.7 Dataset Origin

When using existing data resources, we will clearly describe their origin, including the data sources from SFWMD and other relevant organizations such as remotely-sensed data products. Metadata will include detailed information about data provenance, generally in the form of a readme.txt file within each associated folder storing the data.

7.8 Standards for Data and Metadata Format and Content

Data and metadata will conform to established standards such as the Federal Geographic Data Committee (FGDC) standards for spatial data and the Ecological Metadata Language (EML) for ecological data. Metadata will include information on data collection methods, processing steps, and quality control procedures.

7.9 Timeframe for Preservation

Data will be preserved in perpetuity after the project's completion. Long-term preservation will be facilitated through institutional repositories at the University of Florida and other secure data archives. Each associated manuscript will have associated data that will be made publicly available in a recognized repository, such as Zenodo, which will provide a citable DOI.

7.10 Balance between Data Preservation Value and Costs

The relative value of data preservation will be balanced against the costs and administrative burdens. Data of high scientific value will be prioritized for long-term preservation, and we will provide justification for decisions regarding the preservation of specific datasets.

7.11 National Security or Controlled Unclassified Information Concerns

This project does not involve data that falls under national security or controlled unclassified information concerns. Therefore, all data will be cleared for public release and made available. If any data cannot be made available for such reasons, it will be clearly stated in the data management documentation.



University of Florida Proposal Budget W81EWF-24-SOI-0020

A. Direct Labor (\$176,390)

The budget includes direct labor costs for the Principal Investigator (PI), Dr. Corey Callaghan, and various supporting staff members. The detailed breakdown of direct labor costs is as follows:

- **Dr. Corey Callaghan (\$56,349)**: The PI will dedicate: 0.93 calendar months in Year 1 (\$7,811), 1.15 calendar months in Year 2 (\$9,948), 1.34 calendar months in Year 3 (\$11,940), 1.4 calendar months in Year 4 (\$12,849), and 1.46 calendar months in Year 5 (\$13,801). Each year is inclusive a 3% annual increase in salary.
- **Brittany Mason (\$97,001)**: The Data Management Analyst will work consistently throughout the project (3.31 calendar months per year) with an annual salary starting at \$18,270 in Year 1, \$18,819 in Year 2, \$19,383 in Year 3, \$19,965 in Year 4, and \$20,564 in Year 5. Each year is inclusive a 3% annual increase in salary.
- Undergraduate Students (\$23,040): Two undergraduate interns will be hired annually at \$16 per hour for a total of 288 hours in each year (\$4,608).

B. Fringe Benefit Rates (\$53,761)

- **Dr. Corey Callaghan (\$16,961)**: Fringe rate benefits for faculty members is calculated on a 30.1% rate. This rate is based on the approved federally negotiated rate as of 07/01/2024.
- **Brittany Mason (\$36,562)**: Fringe rate benefits for TEAMS employees is based on a 37.7% rate. This rate is based on the approved federally negotiated rate as of 07/01/2024.
- Undergraduate Students (\$230): Fringe rate benefits for undergraduate OPS employees is calculated on a 1% rate. This rate is based on the approved federally negotiated rate as of 07/01/2024.

C. Travel (\$143,520)

- Vehicle Mileage (\$16,020): Travel expenses are requested for trips from the Ft. Lauderdale Research and Education Center (FLREC) in Davie, FL to Clewiston, FL in order to visit the field site(s). The request is calculated at 150 miles roundtrip for 1-2 personnel from our office in Davie, Florida, with an estimated 4 trips per month and a mileage rate of \$0.445 per mile, the annual vehicle mileage cost is approximately \$3,204 per year.
- Plane Rental (\$127,500): Travel expenses are requested for the rental of a plane in order to conduct aerial surveys of the Lake Okeechobee Basin. The request is calculated based on an estimate of 6 trips per year for 1-2 personnel at a quoted rate of \$4,250 per trip, equaling \$25,500 per year.

D. Materials and Supplies

No funds for materials and supplies are being requested.

E. Equipment

No funds for equipment are being requested.



F. Tuition (\$100,639):

Funds are requested to pay tuition each year for a graduate student. Out of state tuition (\$18,213 in Year 1, \$19,124 in Year 2, \$20,080 in Year 3, \$21,084 in Year 4, and \$22,138 in Year 5) is budgeted according to the guidelines from the University of Florida.

G. Publication Costs (\$14,500):

We anticipate publishing our research results open access, and therefore we request funds for publication charges each year at \$2,900, which is the cost of publishing an open access paper in Ecography. Evidence:

https://nsojournals.onlinelibrary.wiley.com/hub/journal/16000587/apc.

H. Other Direct Costs (Subcontract – \$92,090)

Broward College (\$92,090): Our collaborative project includes an external subcontract to Dr. David Serrano at Broward College. Dr. Serrano, along with undergraduate interns from his class, will assist with fieldwork and data management.

I. Indirect Costs (\$72,305):

Indirect Costs are calculated at 17.5% on a Modified Total Direct Cost basis (\$413,171): excluding equipment over \$5,000/item, tuition, and that portion of each subcontract in excess of \$25,000. UF's current federally negotiated F&A Rate Agreement is: https://research.ufl.edu/wp-content/uploads/FA-agreement.pdf.



Total Number Other Personnel

ATTACHMENT 6

Total Other Personnel

Total Salary, Wages and Fringe Benefits (A+B)

RESEARCH & RELATED BUDGET - Budget Period 1

OMB Number: 4040-0001

29,812.00

39,974.00

Expiration Date: 11/30/2025 UEI: **Enter name of Organization:** NNFQH1JAPEP3 University of Florida Noject Project Subaward/Consortium Start Date: 10/01/2024 End Date: 09/30/2025 **Budget Type: Budget Period: 1** A. Senior/Key Person Months Requested Fringe **Funds** Prefix Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) **First** Middle Last Base Salary (\$) 100,785.50 Dr. Corey Callaghan 0.93 7,811.00 2,351.00 10,162.00 Project Role: PD/PI Total Funds requested for all Senior **Delete Attachment** Add Attachment View Attachment **Additional Senior Key Persons:** Key Persons in the attached file 10,162.00 **Total Senior/Key Person B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Personnel Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** 1.66 4,608.00 46.00 4,654.00 Secretarial/Clerical 3.31 18,270.00 Research Assistant 6,888.00 25,158.00

C. Equipment Description	
List items and dollar amount for each item exceeding \$5,000	
Equipment item	Funds Requested (\$)
Additional Equipment: Add Attachment Delete Attachment	chment View Attachment
Total funds requested for all equipment listed in the attached file	
Total Equipment	
D. Travel	Funds Requested (\$)
Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)	28,704.00
2. Foreign Travel Costs	
Total Travel Cost	28,704.00
E. Participant/Trainee Support Costs	Funds Requested (\$)
1. Tuition/Fees/Health Insurance	
2. Stipends	
3. Travel	
4. Subsistence	
5. Other	
Number of Participants/Trainees Total Participant/Trainee Support Costs	

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F.	Other Direct Costs			_	Funds Requested (\$)
1.	Materials and Supplies				
2.	Publication Costs				2,900.00
3.	Consultant Services				
4.	ADP/Computer Services				
5.	Subawards/Consortium/Contractual Costs				18,418.00
6.	Equipment or Facility Rental/User Fees				
7.	Alterations and Renovations				
8.	Tuition				18,213.00
9.					
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			Total Of	her Direct Costs	39,531.00
G. I	Direct Costs			_	Funds Requested (\$)
		Total [Direct Co	sts (A thru F)	108,209.00
<u>H. I</u>	ndirect Costs				
г	Indirect Cost Type Indi	rect Cost Rate (%) Indired	t Cost Base (\$)	Funds Requested (\$)
Į.	Modified Total Direct Cost	17.50		89,996.00	15,749.00
Coq	nizant Federal Agency		ı otal i	ndirect Costs	15,749.00
(Age	ncy Name, POC Name, and DHHS, Steven Zuraf, 301-492-48 Phone Number)	355			
	otal Direct and Indirect Costs				
1. 10	Total Direct and Indirect Costs	d Indirect Insti	tutional	Costs (G + H)	Funds Requested (\$) 123,958.00
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<u>J. F</u>	ee				Funds Requested (\$)
K . 1	otal Costs and Fee			L	Funds Requested (\$)
		Tota	l Costs a	and Fee (I + J)	123,958.00
<u>L.</u> E	Budget Justification				
(Onl	y attach one file.)	Add Atta	chment	Delete Attachmer	nt View Attachment

RESEARCH & RELATED BUDGET - Budget Period 2

OMB Number: 4040-0001

Expiration Date: 11/30/2025

	UEI:	NNFQH1JAPE	Ente	er name of Orgar	nization: Univ	ersity of	Florida	ì			
Budget Type:	⊠ Project	Subawa	rd/Consortium		Budge	t Period: 2	Sta	art Date:	10/01/2025	End Date: 09/30/202	26
A. Senior/Key	Person										
Prefix	First	Middle	Last	Suffix	Base Salary	(\$) Ca	Months . Acad.	Sum.	Requested Salary (\$)	Fringe Benefits (\$)	Funds Requested (\$)
Dr.	Corey		Callaghan		1	309.07 1.	15		9,948	2,994.0	12,942.00
Project Role:	PD/PI	*		**		<u> </u>	~				
B. Other Pers	·			Add Atta	achment Delete	Attachment	View A	Attachment	Key Pers	requested for all Senior ons in the attached file otal Senior/Key Person	12 , 942.00
Personnel	Project				Cal.	Acad.	Sum.	Sal	lary (\$)	Benefits (\$)	Requested (\$)
	Post Doctoral										
	Graduate Stud										
2	Undergraduate				1.66				4,608.00	46.00	4,654.00
	Secretarial/Cle	erical									
1	Research Ass	istant			3.31				18,819.00	7,095.00	25,914.00
3	Total Number C	Other Personn	el							Total Other Personnel	30,568.00
							Total Sa	alary, Wa	ages and Frir	nge Benefits (A+B)	43,510.00

C. Equipment Description	
List items and dollar amount for each item exceeding \$5,000	
Equipment item	Funds Requested (\$)
Additional Equipment: Add Attachment Delete Attachment	chment View Attachment
Total funds requested for all equipment listed in the attached file	
Total Equipment	
D. Travel	Funds Requested (\$)
Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)	28,704.00
2. Foreign Travel Costs	
Total Travel Cost	28,704.00
E. Participant/Trainee Support Costs	Funds Requested (\$)
1. Tuition/Fees/Health Insurance	
2. Stipends	
3. Travel	
4. Subsistence	
5. Other	
Number of Participants/Trainees Total Participant/Trainee Support Costs	

F. Other Direct Costs					Funds Requested (\$)
1. Materials and Supplies					
2. Publication Costs					2,900.00
3. Consultant Services					
4. ADP/Computer Services					
5. Subawards/Consortium/Contractual Costs					18,418.00
6. Equipment or Facility Rental/User Fees					
7. Alterations and Renovations					
8. Tuition					19,124.00
9.					
10.					
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			Total Oth	er Direct Costs	40,442.00
G. Direct Costs					Funds Requested (\$)
		Total Dir	ect Cos	sts (A thru F)	112,656.00
H. Indirect Costs	l!	N4 D-4- (0/)	1	O(A)	
Indirect Cost Type		Cost Rate (%)	indirect	51,696.00	Funds Requested (\$)
Modified Total Direct Cost	17.	50		51,696.00	14,297.00
			Total In	direct Costs	14,297.00
Cognizant Federal Agency			· otal III		11,237.00
(Agency Name, POC Name, and POC Phone Number)	-492-4855				
I. Total Direct and Indirect Costs					Funds Requested (\$)
Total Di	rect and Ind	lirect Institu	tional C	costs (G + H)	126,953.00
J. Fee					_ Funds Requested (\$)
K. Total Costs and Fee					Funds Requested (\$)
		Total (Costs a	nd Fee (I + J)	126,953.00
L. Budget Justification	1				
(Only attach one file.)		Add Attach	ment	Delete Attachme	ent View Attachment

RESEARCH & RELATED BUDGET - Budget Period 3

OMB Number: 4040-0001

Expiration Date: 11/30/2025

	UEI:	NNFQH1JAPE	Ent	er name of Orgar	nization: _{Uni}	versity of	Florida	a			
Budget Type:	⊠ Project	Subawa	ard/Consortium		Budg	et Period:	3 St	art Date	10/01/2026	End Date: 09/30/202	7
A. Senior/Key	Person										
Prefix	First	Middle	Last	Suffix	Base Salar	/ (\$) Ca	Months		Requested Salary (\$)	Fringe Benefits (\$)	Funds Requested (\$)
Dr.	Corey		Callaghan				34		11,940.	00 3,594.0	15,534.00
Project Role:	PD/PI						-				
B. Other Pers Number of Personnel	onnel Project I	Role			Cal.	Months Acad.	Sum.		To: Requested Salary (\$)	tal Senior/Key Person Fringe Benefits (\$)	15,534.00 Funds Requested (\$)
	Post Doctoral A				-] [] [,	σαιαι γ (ψ)	Denonto (4)	ποφασσίου (ψ)
	Graduate Stude										
	Undergraduate				1.6				4,608.00	46.00	4,654.00
	Secretarial/Cle				1.00				4,000.00	40.00	4,004.00
1	Research Ass	istant			3.33				19,383.00	7,307.00	26,690.00
3	Total Number O	ther Personn	el						т	otal Other Personnel	31,344.00
							Total S	alary, \	Wages and Fring	ge Benefits (A+B)	46,878.00

C. Equipment Description List items and dollar amount for each item exceeding \$5,000 Funds Requested (\$) **Equipment item Additional Equipment:** Add Attachment Delete Attachment View Attachment Total funds requested for all equipment listed in the attached file **Total Equipment** D. Travel Funds Requested (\$) Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions) 28,704.00 Foreign Travel Costs **Total Travel Cost** 28,704.00 E. Participant/Trainee Support Costs Funds Requested (\$) Tuition/Fees/Health Insurance Stipends Travel Subsistence Other **Number of Participants/Trainees Total Participant/Trainee Support Costs**

F. Other Direct Costs					Funds Requested (\$)
1. Materials and Supplies					
2. Publication Costs					2,900.00
3. Consultant Services					
4. ADP/Computer Services					
5. Subawards/Consortium/Contractual Costs					18,418.00
6. Equipment or Facility Rental/User Fees					
7. Alterations and Renovations					
8. Tuition					20,080.00
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
			Total Oth	er Direct Costs	41,398.00
G. Direct Costs					Funds Requested (\$)
		Total Dir	ect Cos	sts (A thru F)	116,980.00
H. Indirect Costs				0 1 5 (6)	- I B (I (A)
Indirect Cost Type		Cost Rate (%)	Indirect	Cost Base (\$)	Funds Requested (\$)
Modified Total Direct Cost	17.	50		78,482.00	13,734.00
			Total In	direct Costs	13,734.00
Cognizant Federal Agency			Total III	uncer oosts	13,734.00
(Agency Name, POC Name, and DHHS, Steven Zuraf, 301 POC Phone Number)	L-492-4855				
I. Total Direct and Indirect Costs					_ Funds Requested (\$)
	rect and Ind	lirect Institu	tional C	Costs (G + H)	130,714.00
J. Fee					Funds Requested (\$)
K. Total Costs and Fee					Funds Requested (\$)
		Total (Costs a	nd Fee (I + J)	130,714.00
L. Budget Justification	1				
(Only attach one file.)		Add Attach	ment	Delete Attachme	ent View Attachment

RESEARCH & RELATED BUDGET - Budget Period 4

OMB Number: 4040-0001

Expiration Date: 11/30/2025

	UEI:	NNFQH1JAPEP3	Ente	er name of Organi	ization: Uni	versity	of Florid	la			
Budget Type:	⊠ Project	Subaward/0	Consortium		Bud	get Period	: 4 S	tart Date	10/01/2027	End Date: 09/30/202	28
A. Senior/Key	/ Person										
Prefix	First	Middle	Last	Suffix	Base Salaı	ry (\$)	Month		Requested Salary (\$)	Fringe Benefits (\$)	Funds Requested (\$)
Dr.	Corey		Callaghan				1.40		12,849	3,868.0	16,717.00
Project Role:	: PD/PI										
B. Other Pers	•			Add Attac	cnment Dele	ete Attachme		Attachme	To	ons in the attached file otal Senior/Key Person	16,717.00
Number of Personnel	Project I	Role			Cal.	Acad.	Sum.		Requested Salary (\$)	Fringe Benefits (\$)	Funds Requested (\$)
	Post Doctoral A	Associates									
	Graduate Stud	lents									
2	Undergraduate	e Students			1.6	6			4,608.00	46.00	4,654.00
	Secretarial/Cle	erical									
1	Research Ass	sistant			3.3	1			19,965.00	7,527.00	27,492.00
3	Total Number O	Other Personnel								Total Other Personnel	32,146.00
							Total S	Salary, \	Wages and Frir	nge Benefits (A+B)	48,863.00

C. Equipment Description List items and dollar amount for each item exceeding \$5,000 Funds Requested (\$) **Equipment item Additional Equipment:** Add Attachment Delete Attachment View Attachment Total funds requested for all equipment listed in the attached file **Total Equipment** D. Travel Funds Requested (\$) Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions) 28,704.00 Foreign Travel Costs **Total Travel Cost** 28,704.00 E. Participant/Trainee Support Costs Funds Requested (\$) Tuition/Fees/Health Insurance Stipends Travel Subsistence Other **Number of Participants/Trainees Total Participant/Trainee Support Costs**

g					
F. Other Direct Costs					Funds Requested (\$)
 Materials and Supplies 					
2. Publication Costs					2,900.00
3. Consultant Services					
4. ADP/Computer Services					
5. Subawards/Consortium/Contractual Costs					18,418.00
6. Equipment or Facility Rental/User Fees					
7. Alterations and Renovations					
8. Tuition					21,084.00
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
			Total Oth	ner Direct Costs	42,402.00
G. Direct Costs				2 2 2	Funds Requested (\$)
		Total Dir	ect Cos	sts (A thru F)	119,969.00
H. Indirect Costs					
Indirect Cost Type	Indirect C	ost Rate (%)	Indirect	Cost Base (\$)	Funds Requested (\$)
Modified Total Direct Cost	17.5	50		80,467.00	14,082.00
Cognizant Federal Agency		,	Total In	direct Costs	14,082.00
(Agency Name, POC Name, and DHHS, Steven Zuraf, 301-	492-4855				
POC Phone Number)					
I. Total Direct and Indirect Costs		P		2 - 1 - (2 - 11)	Funds Requested (\$)
	ect and ind	iirect institu	tional (Costs (G + H)	134,051.00
J. Fee					Funds Requested (\$)
K. Total Costs and Fee					
n. Total Custs allu Fee		Total (insts a	nd Fee (I + J)	Funds Requested (\$)
L. Budget Justification		i otai (, 55t5 a		134,031.00
(Only attach one file.)		Add Attach	ment	Delete Attachme	ent View Attachment
(Only attach one me.)		Add Attacil	HOIR	Delete Attacillie	VICW Attachment

RESEARCH & RELATED BUDGET - Budget Period 5

OMB Number: 4040-0001

50,926.00

Expiration Date: 11/30/2025 UEI: **Enter name of Organization:** NNFQH1JAPEP3 University of Florida Project **Budget Type:** Subaward/Consortium Start Date: |10/01/2028 End Date: 09/30/2029 **Budget Period: 5** A. Senior/Key Person Months Requested Fringe **Funds** Prefix Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) First Middle Last Base Salary (\$) 113,434.97 13,801.00 Dr. Corey Callaghan 1.46 4,154.00 17,955.00 Project Role: PD/PI Total Funds requested for all Senior **Delete Attachment** Add Attachment View Attachment **Additional Senior Key Persons:** Key Persons in the attached file 17,955.00 **Total Senior/Key Person B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Sum. Personnel Cal. Acad. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** 1.66 4,608.00 46.00 4,654.00 Secretarial/Clerical 3.31 20,564.00 7,753.00 28,317.00 Research Assistant **Total Number Other Personnel Total Other Personnel** 32,971.00

Total Salary, Wages and Fringe Benefits (A+B)

C. Equipment Description List items and dollar amount for each item exceeding \$5,000 Funds Requested (\$) **Equipment item Additional Equipment:** Add Attachment Delete Attachment View Attachment Total funds requested for all equipment listed in the attached file **Total Equipment** D. Travel Funds Requested (\$) Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions) 28,704.00 Foreign Travel Costs **Total Travel Cost** 28,704.00 E. Participant/Trainee Support Costs Funds Requested (\$) Tuition/Fees/Health Insurance Stipends Travel Subsistence Other **Number of Participants/Trainees Total Participant/Trainee Support Costs**

F. Other Direct Costs					Funds Requested (\$)
1. Materials and Supplies					
2. Publication Costs					2,900.00
3. Consultant Services					
4. ADP/Computer Services					
5. Subawards/Consortium/Contractual Costs					18,418.00
6. Equipment or Facility Rental/User Fees					
7. Alterations and Renovations					
8. Tuition					22,138.00
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
			Total Oth	er Direct Costs	43,456.00
G. Direct Costs					Funds Requested (\$)
		Total Dir	ect Cos	ts (A thru F)	123,086.00
H. Indirect Costs				O 1 D (A)	
Indirect Cost Type		Cost Rate (%)	Indirect	Cost Base (\$)	Funds Requested (\$)
Modified Total Direct Cost	17.	50		82,530.00	14,443.00
			Total In	direct Costs	14,443.00
Cognizant Federal Agency			Total III		11,113.00
(Agency Name, POC Name, and DHHS, Steven Zuraf, 301 POC Phone Number)	-492-4855				
I. Total Direct and Indirect Costs					Funds Requested (\$)
Total Di	rect and Ind	lirect Institu	tional C	costs (G + H)	137,529.00
J. Fee					Funds Requested (\$)
					(+/
K. Total Costs and Fee					Funds Requested (\$)
		Total (Costs ar	nd Fee (I + J)	137,529.00
L. Budget Justification	1				
(Only attach one file.)		Add Attach	ment	Delete Attachme	ent View Attachment

Docusign Envelope ID: D876C170-4250-458E-8A0A-559995C3CF73 RESEARCH & RELATED BUDGET - Cumulative Budget

ATTACHMENT 6

	Totals	(\$)
Section A, Senior/Key Person		73,310.00
Section B, Other Personnel		156,841.00
Total Number Other Personnel	15	
Total Salary, Wages and Fringe Benefits (A+B)		230,151.00
Section C, Equipment		
Section D, Travel		143,520.00
1. Domestic	143,520.00	<u> </u>
2. Foreign		
Section E, Participant/Trainee Support Costs		
1. Tuition/Fees/Health Insurance		
2. Stipends		
3. Travel		
4. Subsistence		
5. Other		
6. Number of Participants/Trainees		
Section F, Other Direct Costs		207,229.00
1. Materials and Supplies		,
2. Publication Costs	14,500.00	
3. Consultant Services		
4. ADP/Computer Services		
5. Subawards/Consortium/Contractual Costs	92,090.00	
6. Equipment or Facility Rental/User Fees		
7. Alterations and Renovations		
8. Other 1	100,639.00	
9. Other 2		
10. Other 3		
11 . Other 4		
12. Other 5		
13. Other 6		
14. Other 7		
15. Other 8		
16. Other 9		
17 . Other 10		



2024-10-01

Section H, Indirect Costs

Section I, Total Direct and Indirect Costs (G + H)

Section J, Fee

Section K, Total Costs and Fee (I + J)

580,900.00
72,305.00
653,205.00
653,205.00



Broward College Proposal Budget W81EWF-24-SOI-0020

A. Direct Labor (\$46,980)

This budget includes direct labor costs for the co-PI to actively participate in the project at a rate of 1.38 calendar months per year. This breaks down to \$9,396 per year of the project.

B. Fringe Benefit Rates (\$10,145)

Fringe benefit rates for faculty members at Broward College is calculated at 21.59% of the base rate salary per year. This breaks down to \$2,029 per year of the project.

C. Travel (\$11,250)

Travel expenses are requested for airboat fuel at a rate of 15 gallons per day at \$5 per gallon; we anticipate approximately 30 airboat trips per year, which will cost \$2,250 per year.

D. Materials and Supplies

No funds for materials and supplies are being requested.

E. Equipment

No funds for equipment are being requested.

F. Tuition:

No funds for tuition are being requested.

G. Publication Costs:

No funds for publication costs are being requested.

H. Other Direct Costs (Subcontract – \$10,000)

Airboat maintenance costs are being requested at a rate of \$2,000 per year to assist in offsetting the annual maintenance.

I. Indirect Costs (\$13,715):

Indirect Costs are calculated at 17.5% on a Modified Total Direct Cost basis.



RESEARCH & RELATED BUDGET - Budget Period 1

OMB Number: 4040-0001

11,425.00

Expiration Date: 11/30/2025 UEI: **Enter name of Organization:** G95LD67WQ8N5 Broward College Subaward/Consortium Start Date: 10/01/2024 End Date: 09/30/2025 **Budget Type:** Project **Budget Period: 1** A. Senior/Key Person Months Requested Fringe **Funds** Prefix Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) **First** Middle Last Base Salary (\$) David Dr. Serrano 1.38 9,396.00 2,029.00 11,425.00 Project Role: PD/PI Total Funds requested for all Senior **Delete Attachment** Add Attachment View Attachment **Additional Senior Key Persons:** Key Persons in the attached file 11,425.00 **Total Senior/Key Person B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Personnel Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** Secretarial/Clerical **Total Number Other Personnel Total Other Personnel**

Total Salary, Wages and Fringe Benefits (A+B)

C. Equipment Description List items and dollar amount for each item exceeding \$5,000 Funds Requested (\$) **Equipment item Additional Equipment:** Add Attachment Delete Attachment View Attachment Total funds requested for all equipment listed in the attached file **Total Equipment** D. Travel Funds Requested (\$) Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions) 2,250.00 Foreign Travel Costs **Total Travel Cost** 2,250.00 E. Participant/Trainee Support Costs Funds Requested (\$) Tuition/Fees/Health Insurance Stipends Travel Subsistence Other **Number of Participants/Trainees Total Participant/Trainee Support Costs**

11.	F. Other Direct Costs					Funds Requested (\$)
3. Consultant Services 4. ADP/Computer Services 5. Subawards/Consortium/Contractual Costs 6. Equipment or Facility Rental/User Fees 7. Alterations and Renovations 8. Attroat Maintenance 9.	1. Materials and Supplies					. , ,
4. ADP/Computer Services 5. Subawards/Consortium/Contractual Costs 6. Equipment or Facility Rental/User Fees 7. Alterations and Renovations 8. Airboat Maintenance 9. 2,000.00 9. 10. 11. 12. 13. 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	2. Publication Costs					
5. Subawards/Consortium/Contractual Costs 6. Equipment or Facility Rental/User Fees 7. Alterations and Renovations 8. Airboat Maintenance 2,000.00 9. 2,000.00 11. 12. 13. 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	3. Consultant Services					
6. Equipment or Facility Rental/User Fees 7. Alterations and Renovations 8. Airboat Maintenance 2,000.00 9. 2,000.00 10. 11. 12. 13. 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	4. ADP/Computer Services					
7. Alterations and Renovations 8. Airboat Maintenance	5. Subawards/Consortium/Contractual Costs					
8. Airboat Maintenance 2,000.00 9.	6. Equipment or Facility Rental/User Fees					
9.	7. Alterations and Renovations					
10.	8. Airboat Maintenance					2,000.00
11.	9.					
12.	10.					
13.	11.					
14.	12.					
15.	13.					
16. Total Other Direct Costs 2,000.00 G. Direct Costs Total Direct Costs Funds Requested (\$) H. Indirect Cost S Indirect Cost Type Indirect Cost Rate (%) Indirect Cost Base (\$) Modified Total Direct Cost Indirect Cost Rate (%) Indirect Cost Base (\$) Modified Total Direct Cost Indirect Cost Rate (%) Indirect Cost Base (\$) Total Indirect Costs 2,743.00 Cognizant Federal Agency (Agency Name, POC Name, and POC Phone Number) I. Total Direct and Indirect Costs Total Direct and Indirect Costs Funds Requested (\$) Total Direct and Indirect Costs (G + H) Is,418.00 K. Total Costs and Fee Funds Requested (\$) L. Budget Justification	14.					
Total Other Direct Costs 2,000.00 G. Direct Costs Total Direct Costs (A thru F) H. Indirect Cost S Indirect Cost Type Indirect Cost Rate (%) Indirect Cost Base (\$) Modified Total Direct Cost Indirect Indirect Cost Indirect Indir	15.					
G. Direct Costs Total Other Direct Costs Total Direct Costs (A thru F) H. Indirect Costs Indirect Cost Type Indirect Cost Rate (%) Indirect Cost Base (\$) Modified Total Direct Cost Total Indirect Costs Cognizant Federal Agency (Agency Name, POC Name, and POC Phone Number) I. Total Direct and Indirect Costs Total Direct and Indirect Costs Total Direct and Indirect Costs Funds Requested (\$) Total Direct and Indirect Costs (G + H) Total Direct and Indirect Costs Funds Requested (\$) Total Costs and Fee Funds Requested (\$) Funds Requested (\$) Total Costs and Fee (I + J) 18,418.00 L. Budget Justification	16.					
G. Direct Costs Total Direct Costs (A thru F) H. Indirect Costs Indirect Cost Type Indirect Cost Rate (%) Indirect Cost Base (\$) Modified Total Direct Cost Total Indirect Costs 2,743.00 Total Indirect Costs 2,743.00 Total Direct and Indirect Costs Funds Requested (\$) 2,743.00 Total Direct and Indirect Costs Funds Requested (\$) 17.50 Total Direct Costs 2,743.00 Funds Requested (\$) 18,418.00 Funds Requested (\$) Total Costs and Fee Funds Requested (\$) Funds Requested (\$) Funds Requested (\$) Total Costs and Fee (I + J) 18,418.00 L. Budget Justification	17.					
H. Indirect Costs Indirect Cost Type Indirect Cost Rate (%) Indirect Cost Base (\$) Funds Requested (\$) Modified Total Direct Cost Total Indirect Costs Cognizant Federal Agency (Agency Name, POC Name, and POC Phone Number) I. Total Direct and Indirect Costs Total Direct and Indirect Costs Total Direct and Indirect Costs Funds Requested (\$) Total Costs and Fee Funds Requested (\$) Funds Requested (\$) Funds Requested (\$) Total Costs and Fee (I + J) 18,418.00 L. Budget Justification			3	Total Oth	er Direct Costs	2,000.00
H. Indirect Costs Indirect Cost Type Indirect Cost Rate (%) Indirect Cost Base (\$) Modified Total Direct Cost Total Indirect Costs 2,743.00 Cognizant Federal Agency (Agency Name, POC Name, and POC Phone Number) I. Total Direct and Indirect Costs Total Direct and Indirect Institutional Costs (G + H) Total Costs and Fee Funds Requested (\$) Funds Requested (\$) Funds Requested (\$) Total Costs and Fee (I + J) 18,418.00 L. Budget Justification	G. Direct Costs					
Indirect Cost Type Modified Total Direct Cost 17.50 15,675.00 2,743.00			Total Dire	ect Cos	sts (A thru F)	15,675.00
Total Indirect Costs Total Indirect Costs 2,743.00 Cognizant Federal Agency (Agency Name, POC Name, and POC Phone Number) I. Total Direct and Indirect Costs Total Direct and Indirect Institutional Costs (G + H) J. Fee Funds Requested (\$) K. Total Costs and Fee Funds Requested (\$) Total Costs and Fee (I + J) 18,418.00 L. Budget Justification		Indinat Ca	of Data (9/)	lu dive et	Coat Boos (f)	Funda Danuacted (\$)
Cognizant Federal Agency (Agency Name, POC Name, and POC Phone Number) I. Total Direct and Indirect Costs Total Direct and Indirect Institutional Costs (G + H) Total Costs and Fee Funds Requested (\$) Funds Requested (\$) Funds Requested (\$) Total Costs and Fee (I + J) 18,418.00 L. Budget Justification				mairect		
Cognizant Federal Agency (Agency Name, POC Name, and POC Phone Number) I. Total Direct and Indirect Costs Total Direct and Indirect Institutional Costs (G + H) J. Fee Funds Requested (\$) Funds Requested (\$) Funds Requested (\$) Total Costs and Fee (I + J) 18,418.00 L. Budget Justification	Modified Total Direct Cost	17.30			13,673.00	2,743.00
Cognizant Federal Agency (Agency Name, POC Name, and POC Phone Number) I. Total Direct and Indirect Costs Total Direct and Indirect Institutional Costs (G + H) J. Fee Funds Requested (\$) Funds Requested (\$) Funds Requested (\$) Total Costs and Fee (I + J) 18,418.00 L. Budget Justification			7	Γotal In	direct Costs	2,743.00
I. Total Direct and Indirect Costs Total Direct and Indirect Institutional Costs (G + H) J. Fee Funds Requested (\$) Funds Requested (\$) Funds Requested (\$) Total Costs and Fee (I + J) L. Budget Justification	Cognizant Federal Agency					,
Total Direct and Indirect Institutional Costs (G + H) 18,418.00 J. Fee Funds Requested (\$) K. Total Costs and Fee Total Costs and Fee (I + J) 18,418.00 L. Budget Justification	POC Phone Number)					
Total Direct and Indirect Institutional Costs (G + H) 18,418.00 J. Fee Funds Requested (\$) K. Total Costs and Fee Total Costs and Fee (I + J) 18,418.00 L. Budget Justification	I. Total Direct and Indirect Costs					Funds Requested (\$)
K. Total Costs and Fee Funds Requested (\$) Total Costs and Fee (I + J) 18,418.00 L. Budget Justification	Total D	irect and Indi	rect Institu	tional (Costs (G + H)	
Total Costs and Fee (I + J) 18,418.00 L. Budget Justification	J. Fee					Funds Requested (\$)
Total Costs and Fee (I + J) 18,418.00 L. Budget Justification						
L. Budget Justification	K. Total Costs and Fee		Tatal C			
	L Budget luctification		Total C	osts a	na ree (i + J)	18,418.00
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RESEARCH & RELATED BUDGET - Budget Period 2

OMB Number: 4040-0001 Expiration Date: 11/30/2025

UEI: **Enter name of Organization:** G95LD67WQ8N5 Broward College Subaward/Consortium Start Date: 10/01/2025 End Date: 09/30/2026 **Budget Type:** Project **Budget Period: 2** A. Senior/Key Person Months Requested Fringe **Funds Prefix** Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) **First** Middle Last Base Salary (\$) David 1.38 9,396.00 Dr. Serrano 2,029.00 11,425.00 Project Role: PD/PI Total Funds requested for all Senior **Delete Attachment** View Attachment Add Attachment **Additional Senior Key Persons:** Key Persons in the attached file 11,425.00 **Total Senior/Key Person B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Sum. Personnel Cal. Acad. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** Secretarial/Clerical **Total Number Other Personnel Total Other Personnel** Total Salary, Wages and Fringe Benefits (A+B) 11,425.00

C. Equipment Description List items and dollar amount for each item exceeding \$5,000 Funds Requested (\$) **Equipment item Additional Equipment:** Add Attachment Delete Attachment View Attachment Total funds requested for all equipment listed in the attached file **Total Equipment** D. Travel Funds Requested (\$) Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions) 2,250.00 Foreign Travel Costs **Total Travel Cost** 2,250.00 E. Participant/Trainee Support Costs Funds Requested (\$) Tuition/Fees/Health Insurance Stipends Travel Subsistence Other **Number of Participants/Trainees Total Participant/Trainee Support Costs**

F. Other Direct Costs			Funds Requested (\$)
1. Materials and Supplies			
2. Publication Costs			
3. Consultant Services			
4. ADP/Computer Services			
5. Subawards/Consortium/Contractual Costs			
6. Equipment or Facility Rental/User Fees			
7. Alterations and Renovations			
8. Airboat Maintenance			2,000.00
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
		Total Other Direct Costs	2,000.00
G. Direct Costs			Funds Requested (\$)
II. I I'	Total Di	rect Costs (A thru F)	15,675.00
H. Indirect Costs Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)
Modified Total Direct Cost	17.50	15,675.00	2,743.00
Hoalifea Total Bifeet Cost	17.50	13,073.00	2,713.00
		Total Indirect Costs	2,743.00
Cognizant Federal Agency (Agency Name, POC Name, and			
POC Phone Number)			
I. Total Direct and Indirect Costs			Funds Requested (\$)
Total D	irect and Indirect Institu	ıtional Costs (G + H)	18,418.00
J. Fee			Funds Requested (\$)
V. Total Coata and For			
K. Total Costs and Fee	Total	Costs and Fee (I + J)	Funds Requested (\$)
L. Budget Justification	1 Otal V	000t3 and 1 66 (1 · 0)	10,410.00
(Only attach one file)	Add Attach	ment Delete Attachme	ent View Attachment

RESEARCH & RELATED BUDGET - Budget Period 3

OMB Number: 4040-0001 Expiration Date: 11/30/2025

UEI: **Enter name of Organization:** G95LD67WQ8N5 Broward College Subaward/Consortium Start Date: 10/01/2026 End Date: 09/30/2027 **Budget Type:** Project **Budget Period: 3** A. Senior/Key Person Months Requested Fringe **Funds Prefix** Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) **First** Middle Last Base Salary (\$) David 1.38 9,396.00 Dr. Serrano 2,029.00 11,425.00 Project Role: PD/PI Total Funds requested for all Senior **Delete Attachment** View Attachment Add Attachment **Additional Senior Key Persons:** Key Persons in the attached file 11,425.00 **Total Senior/Key Person B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Sum. Personnel Cal. Acad. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** Secretarial/Clerical **Total Number Other Personnel Total Other Personnel** Total Salary, Wages and Fringe Benefits (A+B) 11,425.00

C.	. Equipment Description			
Lis	st items and dollar amount for each item exceeding \$5,000			
	Equipment item		Fund	s Requested (\$)
Ad	dditional Equipment: Add Attachment	Delete Attach	nment	View Attachment
	Total funds requested for all equipment listed in the att	tached file		
	Total E	quipment		
D.	. Travel		Fund	s Requested (\$)
1.	Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)			2,250.00
2.	Foreign Travel Costs	ĺ		
	Total T	ravel Cost		2,250.00
E.	. Participant/Trainee Support Costs		Fund	s Requested (\$)
1.	Tuition/Fees/Health Insurance			
2.	Stipends	ĺ		
3.	Travel			
4.	Subsistence	·		
5.	Other			
	Number of Participants/Trainees Total Participant/Trainee Supp	port Costs		

F. Other Direct Costs	Funds Requested (\$)
1. Materials and Supplies	
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
8. Airboat Maintenance	2,000.00
9.	
10.	
11.	
12.	
13.	
14.	
15.	
16.	
17.	
Total Other Direct	
G. Direct Costs Total Direct Costs (A	Funds Requested (\$) thru F) 15,675.00
H. Indirect Costs	und 1)
Indirect Cost Type Indirect Cost Rate (%) Indirect Cost E	Base (\$) Funds Requested (\$)
Modified Total Direct Cost 17.50 15,	675.00 2,743.00
Cognizant Federal Agency Total Indirect	Costs 2,743.00
(Agency Name, POC Name, and	
POC Phone Number)	
I. Total Direct and Indirect Costs Total Direct and Indirect Institutional Costs	Funds Requested (\$) (G + H) 18,418.00
J. Fee	
<u>5. Fee</u>	Funds Requested (\$)
K. Total Costs and Fee	Funds Requested (\$)
Total Costs and Fee	e (I + J) 18,418.00
L. Budget Justification	
(Only attach one file.) Add Attachment Delet	e Attachment View Attachment

RESEARCH & RELATED BUDGET - Budget Period 4

OMB Number: 4040-0001 Expiration Date: 11/30/2025

11,425.00

UEI: **Enter name of Organization:** G95LD67WQ8N5 Broward College Subaward/Consortium Start Date: | 10/01/2027 End Date: 09/30/2028 **Budget Type:** Project **Budget Period: 4** A. Senior/Key Person Months Requested Fringe **Funds Prefix** Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) **First** Middle Last Base Salary (\$) David 1.38 9,396.00 Dr. Serrano 2,029.00 11,425.00 Project Role: PD/PI Total Funds requested for all Senior **Delete Attachment** View Attachment Add Attachment **Additional Senior Key Persons:** Key Persons in the attached file 11,425.00 **Total Senior/Key Person B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Sum. Personnel Cal. Acad. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** Secretarial/Clerical **Total Number Other Personnel Total Other Personnel**

Total Salary, Wages and Fringe Benefits (A+B)

C.	Equipment Description	
Lis	st items and dollar amount for each item exceeding \$5,000	
	Equipment item	Funds Requested (\$)
Ad	ditional Equipment: Add Attachment Delete Attachment	chment View Attachment
	Total funds requested for all equipment listed in the attached file	
	Total Equipment	
D.	Travel	Funds Requested (\$)
1.	Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)	2,250.00
2.	Foreign Travel Costs	
	Total Travel Cost	2,250.00
E.	Participant/Trainee Support Costs	Funds Requested (\$)
1.	Tuition/Fees/Health Insurance	
2.	Stipends	
3.	Travel	
4.	Subsistence	
5.	Other	
	Number of Participants/Trainees Total Participant/Trainee Support Costs	

F. Other Direct Costs		Funds Requested (\$)
1. Materials and Supplies		
2. Publication Costs		
3. Consultant Services		
4. ADP/Computer Services		
5. Subawards/Consortium/Contractual Cos	ts	
6. Equipment or Facility Rental/User Fees		
7. Alterations and Renovations		
8. Airboat Maintenance		2,000.00
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
	Total Other Direct Costs	2,000.00
G. Direct Costs		Funds Requested (\$)
	Total Direct Costs (A thru F)	15,675.00
H. Indirect Costs Indirect Cost Type	Indirect Cost Rate (%) Indirect Cost Base (\$)	Funda Daguastad (\$)
Modified Total Direct Cost	Indirect Cost Rate (%) Indirect Cost Base (\$) 17.50 15,675.00	Funds Requested (\$)
Modified Total Direct Cost	13,673.00	2,743.00
	Total Indirect Costs	2,743.00
Cognizant Federal Agency		
(Agency Name, POC Name, and POC Phone Number)		
I. Total Direct and Indirect Costs		Funds Requested (\$)
	Total Direct and Indirect Institutional Costs (G + H)	18,418.00
J. Fee		Funds Requested (\$)
K. Total Costs and Fee	T (10 (- 15 - ())	Funds Requested (\$)
I Dudust heatification	Total Costs and Fee (I + J)	18,418.00
L. Budget Justification	Add Attachment	View Attendance
(Only attach one file.)	Add Attachment Delete Attachme	ent View Attachment

RESEARCH & RELATED BUDGET - Budget Period 5

OMB Number: 4040-0001 Expiration Date: 11/30/2025

UEI: **Enter name of Organization:** G95LD67WQ8N5 Broward College Subaward/Consortium Start Date: 10/01/2028 End Date: 09/30/2029 **Budget Type:** Project **Budget Period: 5** A. Senior/Key Person Months Requested Fringe **Funds Prefix** Suffix Cal. Acad. Sum. Salary (\$) Benefits (\$) Requested (\$) **First** Middle Last Base Salary (\$) David 1.38 9,396.00 Dr. Serrano 2,029.00 11,425.00 Project Role: PD/PI Total Funds requested for all Senior **Delete Attachment** View Attachment Add Attachment **Additional Senior Key Persons:** Key Persons in the attached file 11,425.00 **Total Senior/Key Person B. Other Personnel** Months Number of Requested Fringe **Funds Project Role** Sum. Personnel Cal. Acad. Salary (\$) Benefits (\$) Requested (\$) Post Doctoral Associates **Graduate Students Undergraduate Students** Secretarial/Clerical **Total Number Other Personnel Total Other Personnel** Total Salary, Wages and Fringe Benefits (A+B) 11,425.00

C.	Equipment Description	
Lis	st items and dollar amount for each item exceeding \$5,000	
	Equipment item	Funds Requested (\$)
Ad	ditional Equipment: Add Attachment Delete Attac	hment View Attachment
	Total funds requested for all equipment listed in the attached file	
	Total Equipment	
D.	Travel	Funds Requested (\$)
1.	Domestic Travel Costs (Incl. Canada, Mexico and U.S. Possessions)	2,250.00
2.	Foreign Travel Costs	
	Total Travel Cost	2,250.00
E.	Participant/Trainee Support Costs	Funds Requested (\$)
1.	Tuition/Fees/Health Insurance	
2.	Stipends	
3.	Travel	
4.	Subsistence	
5.	Other	
	Number of Participants/Trainees Total Participant/Trainee Support Costs	

F. Other Direct Costs	Funds Requested (\$)
1. Materials and Supplies	
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
8. Airboat Maintenance	2,000.00
9.	
10.	
11.	
12.	
13.	
14.	
15.	
16.	
17.	
Total Other Direct	
G. Direct Costs Total Direct Costs (A	Funds Requested (\$) thru F) 15,675.00
H. Indirect Costs	und 1)
Indirect Cost Type Indirect Cost Rate (%) Indirect Cost E	Base (\$) Funds Requested (\$)
Modified Total Direct Cost 17.50 15,	675.00 2,743.00
Cognizant Federal Agency Total Indirect	Costs 2,743.00
(Agency Name, POC Name, and	
POC Phone Number)	
I. Total Direct and Indirect Costs Total Direct and Indirect Institutional Costs	Funds Requested (\$) (G + H) 18,418.00
J. Fee	
<u>5. Fee</u>	Funds Requested (\$)
K. Total Costs and Fee	Funds Requested (\$)
Total Costs and Fee	e (I + J) 18,418.00
L. Budget Justification	
(Only attach one file.) Add Attachment Delet	e Attachment View Attachment

Docusign Envelope ID: D876C170-4250-458E-8A0A-559995C3CF73 RESEARCH & RELATED BUDGET - Cumulative Budget

ATTACHMENT 6

	Tota	ıls (\$)
Section A, Senior/Key Person		57,125.00
Section B, Other Personnel		
Total Number Other Personnel		
Total Salary, Wages and Fringe Benefits (A+B)		57,125.00
Section C, Equipment		
Section D, Travel		11,250.00
1. Domestic	11,250.00	
2. Foreign		
Section E, Participant/Trainee Support Costs		
1. Tuition/Fees/Health Insurance		
2. Stipends		
3. Travel		
4. Subsistence		
5. Other		
6. Number of Participants/Trainees		
Section F, Other Direct Costs		10,000.00
1. Materials and Supplies		
2. Publication Costs		
3. Consultant Services		
4. ADP/Computer Services		
5. Subawards/Consortium/Contractual Costs		
6. Equipment or Facility Rental/User Fees		
7. Alterations and Renovations		
8. Other 1	10,000.00	
9. Other 2		
10. Other 3		
11. Other 4		
12. Other 5		
13. Other 6		
14. Other 7		
15. Other 8		
16. Other 9		
17. Other 10		



2024-10-01

Section H, Indirect Costs

Section I, Total Direct and Indirect Costs (G + H)

Section J, Fee

Section K, Total Costs and Fee (I + J)

78,375.0
13,715.0
92,090.0
92,090.0



DoD R&D General Terms and Conditions September 2023

Preamble

Introduction

This award is subject to the following Department of Defense (DoD) Research and Development (R&D) General Terms and Conditions. These general terms and conditions implement Office of Management and Budget (OMB) guidance, "Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards," published in the Code of Federal Regulations (CFR) at 2 CFR part 200 and implemented by the DoD at 2 CFR part 1104, "Interim Grants and Cooperative Agreements Implementation of Guidance in 2 CFR part 200" (79 FR 76047, December 19, 2014, as amended at 85 FR 49506, August 13, 2020).

Applicability

These general terms and conditions apply to DoD grants and cooperative agreements for R&D with institutions of higher education, nonprofit organizations, States, local governments, Indian tribes, and for-profit entities. They also apply when incorporated into DoD grants or cooperative agreements for R&D with foreign organizations or foreign public entities (as defined in 2 CFR part 1108). These general terms and conditions do not apply to DoD Grants and cooperative agreements for R&D made directly to individuals. Certain provisions within these general terms and conditions may indicate that they apply to certain types of recipients only. An example of this is FMS Article V for non-Federal audits.

Order of Precedence

Any inconsistencies in the requirements of this award will be resolved in the following order:

- (1) Federal statutes
- (2) Federal regulations* not otherwise referenced herein
- (3) Award-specific terms and conditions
- (4) General Terms and Conditions, which include this document, the DoD Component's Addendum to this document, and the DoD Component's Programmatic Requirements.

Award Acceptance

The DoD Component will select which of the following methods of acceptance it requires:

(1) If you receive an award from a DoD Component that is signed by a grants officer without your entity having also signed the award, that means the award does not require your signature to indicate acceptance of the award. Rather, your acceptance of the award in such instances, including the terms and conditions, occurs when you initiate performance under this award. Therefore, if you disagree with any requirements of this award, you must



- contact the grants officer prior to initiating performance in order to resolve the issue.
- (2) If you receive an unsigned award from a DoD Component, that means that you are required to sign the award to indicate acceptance of the award, including the terms and conditions, prior to initiating performance. The grants officer will sign the award upon receipt of your signature.

English Language

You must translate any of the award content (including attachments to it and any material incorporated into the award by reference) into another language only to the extent that your compliance with the award's terms and conditions depends upon a significant number of your employees who are not fluent in English being able to read and comprehend that content. If you translate any award content into another language, the original award content in the English language will take precedence in the event of an inconsistency between the award requirements in the English and translated versions.

Plain Language

These general terms and conditions use plain language, with use of personal pronouns such as "you" to denote the recipient and "we" to mean the Federal Government (Government). Use of personal pronouns is a recognized means to help a reader understand to whom the language is addressed and assist in determining responsibilities.

Reserved Provisions

If the words "RESERVED – Not Applicable" are used at the section or paragraph level of an article without additional explanation, it means that this particular section or paragraph does not apply in any manner to this award. If the word "RESERVED" is used with additional explanation (in bold red colored font), it will describe whether the particular provisions either will or may be included in a DoD Component addendum to these terms and conditions.

Definitions

The definitions of terms used in the DoD R&D General Terms and Conditions are in accordance with 2 CFR part 1108 of the DoDGARs or, for terms not defined in the DoDGARs, 2 CFR 200.1. Part 7 of the general terms and conditions may use a term in relation to compliance with a national policy requirement in a statute, Executive order, or other source that defines the term differently than it is defined in 2 CFR part 1108. For purposes of that particular national policy requirement, the definition of a term provided by the source of the requirement and any regulation specifically implementing it takes precedence over the definition in 2 CFR part 1108.

Feedback on the Terms and Conditions

As you gain operating experience with these general terms and conditions, you may find areas requiring clarification or correction. Alerting us to potential issues will help us improve both these general terms and conditions and DoD's regulatory implementation of the OMB guidance at 2 CFR part 200.



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Part 1: Financial and Program Management (articles from this part are designated with "FMS" in the article title)

FMS Article I. Financial management system standards. (JANUARY 2021)

Section A. System standard for States. As a State, you must expend and account for funds under this award in accordance with:

- 1. Applicable State laws; and
- 2. To the extent they comply with the requirements of Section B of this Article, your procedures for expending and accounting for your own State funds.

Section B. System standards for all recipients. Your financial management system must provide for:

- 1. Inclusion, in your accounts, of the following information about each DoD grant or cooperative agreement that you receive:
 - a. That you received the award from the Department of Defense;
 - b. The number and title listed in the Assistance Listing (formerly the Catalog of Federal Domestic Assistance) for the DoD program under which the award was made;
 - c. The DoD award number; and
 - d. The year (your fiscal year) in which you received the award.
- 2. Accurate, current, and complete disclosure of the financial results of the award needed to comply with financial and programmatic reporting requirements that are specified in REP Articles I and II of these general terms and conditions, as supplemented by any award-specific terms and conditions of this award concerning reporting requirements. If you are asked at any time under this award to report financial information on an accrual basis, you:
 - a. Need not establish an accrual accounting system if you maintain your records on a different basis; and
 - b. May develop the accrual data based on an analysis of the data you have on hand.
- 3. Records that identify adequately the sources of funds for all activities funded by DoD awards, including any required cost sharing or matching, and the application of those funds. This includes funding authorizations; your financial obligations and expenditures of the funds; unobligated balances; property and other assets under the award; program income; and interest.



- 4. Effective control over, and accountability for, all funds, property, and other assets under this award. You must adequately safeguard all assets and assure they are used solely for authorized purposes (see Section C of this article for additional requirements concerning internal controls).
- 5. Comparison of expenditures under this award for project or program purposes with amounts in the approved budget for those purposes.
- 6. RESERVED Not Applicable.
- 7. Written procedures:
 - a. To implement requirements specified in FMS Article II, "Payments;"
 - b. For determining the allowability of costs, which for this award are determined in accordance with FMS Article III, "Allowable costs, period of availability of funds, and fee or profit," of these general terms and conditions, as supplemented by any award-specific terms and conditions of this award that relate to allowability of costs.

Section C. Internal controls. Your system of internal controls must conform to OMB guidance in 2 CFR 200.303. With respect to paragraph (e) of 2 CFR 200.303, your internal control system must include measures to safeguard any information that Federal statute, Executive order, or regulation requires to be protected (e.g., personally identifiable or export-controlled information), whether generated under the award or provided to you and identified as being subject to protection.

FMS Article II. Payments. (SEPTEMBER 2023)

Section A. Awards to States. If the award-specific terms and conditions of this award do not identify it as an award subject to Subpart A of 31 CFR part 205 (Department of the Treasury regulations implementing the Cash Management Improvement Act), then this award is subject to Subpart B of that part. Consistent with Subpart B of 31 CFR part 205:

- 1. Payment method, timing, and amounts. You must:
 - a. Minimize the time between your receipt of a payment under this award and your disbursement of those funds for project or program purposes.
 - b. Limit the amount of each advance payment request to the minimum amount you need to meet your actual, immediate cash requirements for carrying out the project or program.
 - c. Submit each advance payment request approximately 10 days before you anticipate disbursing the requested amount for project or program purposes, so that your receipt of the funds will be as close in time as is administratively feasible to your actual cash outlay for direct project or



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program costs and the proportionate share of any allowable indirect costs.

2. **Interest.** Unlike awards subject to Subpart A of 31 CFR part 205, neither you nor we will incur any interest liability due to a difference in timing between your receipt of payments under this award and your disbursement of those funds for project or program purposes.

Section B. Awards to institutions of higher education, nonprofit organizations, local governments, Indian tribes, and for-profit entities.

1. Payment method. Unless the award-specific terms and conditions of this award provide otherwise, you are authorized to request advance payments under this award. That authorization is contingent on your continuing to maintain, or demonstrating the willingness to maintain, written procedures that minimize the time elapsing between your receipt of each payment and your disbursement of the funds for project or program purposes. Note that you are not required to request advance payments and may instead, at your option, request reimbursements of funds after you disburse them for project or program purposes.

2. **Amounts requested**. You must:

- a. Limit the amount of any advance payment request to the minimum amount needed to meet your actual, immediate cash requirements for carrying out the purpose of the approved project or program, including direct project costs and a proportionate share of any allowable indirect costs.
- b. Exclude from any payment request amounts you are withholding from payments to contractors to assure satisfactory completion of the work. You may request those amounts when you make the payments to the contractors or to escrow accounts established to assure satisfactory completion of the work.
- c. Exclude from any payment request amounts from any of the following sources that are available to you for project or program purposes under this award: program income, including repayments to a revolving fund; rebates; refunds; contract settlements; audit recoveries; and interest earned on any of those funds. You must disburse those funds for project or program purposes before requesting additional funds from us.
- 3. **Timing of requests**. For any advance payment you request, you should submit the request approximately 10 days before you anticipate disbursing the requested amount for project or program purposes. With time for agency processing of the request, that should result in payment as close as is administratively feasible to your actual disbursements for project or program purposes.
- 4. **Frequency of requests**. You may request payments as often as you wish unless you have been granted a waiver from requirements to receive payments by electronic funds transfer (EFT). If you have been granted a waiver from EFT requirements, the award-specific terms and conditions of this award specify the frequency with which you may submit payment requests.



- 5. **Withholding of payments**. We will withhold payments for allowable costs under the award at any time during the period of performance only if one or more of the following applies:
 - a. We suspend either payments or the award, or disallow otherwise allowable costs, as a remedy under OAR Article III due to your failure to comply with Federal statutes, regulations, or the terms and conditions of this award. If we suspend payments and not the award, we will release withheld payments upon your subsequent compliance. If we suspend the award, then amounts of payments are subject to adjustment in accordance with the terms and conditions of OAR Article III.
 - b. You are delinquent in a debt to the United States, in which case we may, after reasonable notice, inform you that we will not make any further payments for costs you incurred after a specified date until you correct the conditions or liquidate the indebtedness to the Federal Government.
 - c. The award-specific terms and conditions include additional requirements that provide for withholding of payments based on conditions identified during our pre-award risk evaluation, in which case you should have been notified about the nature of those conditions and the actions needed to remove the additional requirements.

6. Depository requirements.

- a. There are no eligibility requirements for depositories you use for funds you receive under this award.
- b. You are not required to deposit funds you receive under this award in a depository account separate from accounts in which you deposit other funds. However, FMS Article I requires that you be able to account for the receipt, obligation, and expenditure of all funds under this award.
- c. You must deposit any advance payments of funds you receive under this award in insured accounts whenever possible and, unless any of the following apply, you must deposit them in interest-bearing accounts:
 - i. You receive a total of less than \$250,000 per year under Federal grants and cooperative agreements.
 - ii. You would not expect the best reasonably available interest-bearing account to earn interest in excess of \$500 per year on your cash balances of advance payments under Federal grants and cooperative agreements.
 - iii. The best reasonably available interest-bearing account would require you to maintain an average or minimum balance higher than it would be feasible for you to do within your expected Federal and non-Federal cash balances.
 - iv. A foreign government or banking system precludes your use of interest-bearing accounts.
- d. You may retain for administrative expenses up to \$500 per year of interest that you earn in the aggregate on advance payments you receive under this award and other Federal grants and



cooperative agreements. You must remit annually the rest of the interest to the Department of Health and Human Services, Payment Management System, using the procedures set forth in OMB guidance in 2 CFR 200.305 (b)(9).

Section C. Electronic funds transfer and other payment procedural instructions or information.

- 1. **Electronic funds transfer**. Unless the award-specific terms and conditions of this award provide otherwise, you will receive payments under this award by electronic funds transfer.
- 2. RESERVED Language in DoD Component addendum to these terms and conditions.

FMS Article III. Allowable costs, period of availability of funds, and fee or profit. (SEPTEMBER 2017)

Section A. Allowable costs. This section, with the clarification provided in Section B, specifies which Federal cost principles must be used in determining the allowability of costs charged to this award, a subrecipient's costs charged to any cost-type subaward that you make under this award, and a contractor's costs charged to any cost-type procurement transaction into which you enter under this award. These cost principles also govern the allowable costs that you or a subrecipient of a subaward at any tier below this award may consider when establishing the amount of any fixed-amount subaward or fixed-price procurement transaction at the next lower tier. The set of cost principles to be used in each case depends on the type of entity incurring the cost under the award, subaward, or contract.

- 1. **General case**. If you, your subrecipient, or your contractor is:
 - a. **An institution of higher education**, the allowability of costs must be determined in accordance with provisions of Subpart E of OMB guidance in 2 CFR part 200 other than 2 CFR 200.400(g), supplemented by appendix III to that part.
 - b. **A hospital**, the allowability of costs must be determined in accordance with provisions of appendix IX to 2 CFR part 200, which currently specifies the cost principles in appendix IX to 45 CFR part 75 as the applicable cost principles.
 - c. A nonprofit organization other than a hospital or institution of higher education, the allowability of costs must be determined in accordance with provisions of Subpart E of OMB guidance in 2 CFR part 200 other than 2 CFR 200.400(g), supplemented by appendices IV and VIII to that part. In accordance with guidance in 2 CFR 200.401(c), a nonprofit organization listed in appendix VIII to 2 CFR part 200 is subject to the cost principles for for-profit entities specified in paragraph 1.e of this section.
 - d. **A State, local government, or Indian tribe**, the allowability of costs must be determined in accordance with applicable provisions of Subpart E of OMB guidance in 2 CFR part 200 other than 2 CFR 200.400(g), supplemented by appendices V through VII to that part.



- e. A for-profit entity (other than a hospital) or a nonprofit organization listed in appendix VIII to 2 CFR part 200:
 - i. The allowability of costs must be determined in accordance with:
 - (A) The cost principles for commercial organizations in the Federal Acquisition Regulation (FAR) at Subpart 31.2 of 48 CFR part 31, as supplemented by provisions of the Defense Federal Acquisition Regulation Supplement (DFARS) at Subpart 231.2 of 48 CFR part 231; and
 - (B) For a for-profit entity, the additional provisions on allowability of audit costs, in 32 CFR 34.16(f).
 - ii. The indirect cost rate to use in that determination is:
 - (A) The for-profit entity's federally negotiated indirect cost rate if it has one.
 - (B) Subject to negotiation between you and the for-profit entity if it does not have a federally negotiated indirect cost rate. The rate that you negotiate may provide for reimbursement only of costs that are allowable in accordance with the cost principles specified in paragraph A.1.e.i of this article.
- 2. **Exception.** You may use your own cost principles in determining the allowability of a contractor's costs charged to a cost-type procurement transaction under this award—or in pricing for a fixed-price contract based on estimated costs—as long as your cost principles comply with the Federal cost principles that paragraph A.1 of this section identifies as applicable to the contractor.

Section B. Clarifications concerning charges for professional journal publications. **RESERVED – Not Applicable.**

Section C. Period of availability of funds. You may charge to this award only:

- 1. Allowable costs incurred during the period of performance specified in this award, including any subsequent amendments to it;
- 2. Any pre-award costs that you are authorized (by either the terms and conditions of FMS Article IV or the DoD awarding official) to incur prior to the start of the period of performance, at your own risk, for purposes of the project or program under this award; and
- 3. Costs of publishing in professional journals incurred after the period of performance, as permitted under 2 CFR 200.461(b)(3), if:
 - a. We receive the request for payment for such costs no later than the date on which REP Article II requires you to submit the final financial report to us (or, if we grant your request for an extension



- of the due date, that later date on which the report is due); and
- b. Your reported expenditures on the final financial report include the amount you disbursed for those costs.

Section D. Fee or profit.

- 1. You may not receive any fee or profit under this award.
- 2. You may not use funds available to you under this award to pay fee or profit for an entity of any type to which you make a subaward.
- 3. You may pay fee or profit to an entity with which you enter into a procurement transaction to purchase goods or general support services for your use in carrying out the project or program under the award.

FMS Article IV. Revision of budget and program plans. (SEPTEMBER 2023)

Section A. Approved budget. The approved budget of this award:

- 1. Is the most recent version of the budget that you submitted, and we approved (either at the time of the initial award or a more recent amendment), to summarize planned expenditures for the project or program.
- 2. Includes all Federal funding that we make available to you under this award to use for project or program purposes and any cost sharing or matching that you are required to provide under this award for those same purposes.

Section B. Revisions requiring prior approval from the Grants Officer.

- 1. **Non-construction activities**. You must request Grant Officer prior approval from us for any of the following program or budget revisions in non-construction activities:
 - a. A change in the scope or objective of the project or program under this award, even if there is no associated budget revision that requires Grants Officer prior approval.
 - b. A change in a key person identified in the award cover pages.
 - c. The approved principal investigator's or project director's disengagement from the project for more than three months, or a 25 percent reduction in his or her time devoted to the project.
 - d. The inclusion of direct costs that require prior approval in accordance with the applicable cost principles, as identified in FMS Article III.



- i. The requirement for prior approval of equipment that is to be used primarily in carrying out the project or program supported by the award is waived for equipment with a unit cost of \$25,000 or less.
- e. RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions.
- f. A subaward to another entity under which it will perform a portion of the substantive project or program under the award, if it was not included in the approved budget. This does not apply to your contracts for acquisition of supplies, equipment, or general support services you need to carry out the program.
- g. Any change in the cost sharing or matching you provide under the award, as included in the approved budget, for which FMS Article VI requires prior approval.
- h. RESERVED Not Applicable.
- i. The need arises for additional Federal funds to complete the project or program.
- 2. **Construction activities**. You must request prior approval from us for any of the following program or budget revisions in construction activities:
 - a. A change in the scope or objective of the project or program under this award, even if there is no associated budget revision that requires Grants Officer prior approval.
 - b. The need arises for additional Federal funds to complete the project.
 - c. The inclusion of direct costs that require prior approval in accordance with the applicable cost principles, as identified in FMS Article III.
- 3. Funding transfers between construction and non-construction activities. RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions or award specific terms and conditions.

Section C. Pre-award costs, carry forward of unobligated balances, and one-time no-cost extensions. You are authorized, without requesting prior approval from us, to:

1. Charge to this award after you receive it pre-award costs that you incurred, at your own risk, up to 90 calendar days before the start date of the period of performance, as long as they are costs that would be allowable charges to the project or program under the terms and conditions of FMS Article III if they were incurred during the period of performance.



- 2. Carry forward an unobligated balance to a subsequent budget period under this award.
- 3. RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions.

Section D. Procedures.

- 1. We will review each request you submit for prior approval for a budget or program change and, within 30 calendar days of our receipt of your request, we will respond to you in writing to either:
 - a. Notify you whether your request is approved; or
 - b. Inform you that we still are considering the request, in which case we will let you know when you may expect our decision.
- 2. RESERVED Language in DoD Component addendum to these terms and conditions.

FMS Article V. Non-Federal audits. (SEPTEMBER 2023)

Section A. Requirements for entities subject to the Single Audit Act. You and each subrecipient under this award that is an institution of higher education, nonprofit organization, State, local government, or Indian tribe must comply with the audit requirements specified in Subpart F of 2 CFR part 200, which is the OMB implementation of the Single Audit Act, as amended (31 U.S.C. chapter 75).

Section B. Requirements for for-profit entities. If you are a for-profit entity, you are subject to the audit requirements specified in 32 CFR 34.16. Any for-profit entity that receives a subaward from you under this award is also subject to those audit requirements. The provisions of 32 CFR 34.16 indicate that the audit requirement threshold is \$750,000 or more of expenditures under federal awards in a year. Your subaward terms and conditions will require the subrecipient to provide the reports to you if it is willing to do so, so that you can resolve audit findings that pertain specifically to your subaward (e. g., disallowance of costs). If the for-profit entity is unwilling to agree to provide the auditor's report to you, contact the grants officer for this award to discuss an alternative approach for carrying out audit oversight of the subaward. If the grants officer does not provide an alternative approach within 30 days of receiving your request, you may determine an approach to ensure the for-profit subrecipient's compliance with the subaward terms and conditions, as described in OMB guidance at 2 CFR 200.501(h).

FMS Article VI. Cost sharing or matching. (SEPTEMBER 2023)

Section A. Required cost sharing or matching.

1. If any cost sharing or matching is required under this award, the total amount or percentage required is shown in the award cover pages and included in the approved budget. That cost sharing or matching includes all:



- a. Cash and third-party in-kind contributions.
- b. Contributions to the project or program made either by or through (if made by a third party) you and any subrecipients.
- 2. You must obtain Grants Officer prior approval if you wish to:
 - a. Change the amount or percentage of cost sharing or matching required under this award.
 - b. RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions.

Section B. Allowability as cost sharing or matching. Each cash or third-party in-kind contribution toward any cost sharing or matching required under this award, whether put forward by you or a subrecipient under a subaward that you make, is allowable as cost sharing or matching if:

- 1. You (or the subrecipient, if it is a subrecipient contribution) maintain records from which one may verify that the contribution was made to the project or program and, if it is a third-party in-kind contribution, its value.
- 2. The contribution is not counted as cost sharing or matching for any other Federal award.
- 3. The contribution is:
 - a. Allowable under the cost principles applicable to you (or the subrecipient, if it is a subrecipient contribution) under FMS Article III of these terms and conditions; and
 - b. Allocable to the project or program and reasonable.
- 4. The Government does not pay for the contribution through another Federal award, unless that award is under a program that has a federal statute authorizing application of that program's Federal funds to other Federal programs' cost sharing or matching requirements.
- 5. The value of the contribution is not reimbursed by the Federal share of this award as either a direct or indirect cost.
- 6. The contribution conforms to the other terms and conditions of this award, including the award specific terms and conditions.

Section C. Allowability of unrecovered indirect costs as cost sharing or matching. You may use your own or a subrecipient's unrecovered indirect costs as cost sharing or matching under this award. Unrecovered indirect costs mean the difference between the amount of indirect costs charged to the award and the amount that you and any subrecipients could have charged in accordance with your respective



approved indirect cost rates, whether those rates are negotiated or de minimis (as described in 2 CFR 200.414(f)).

Section D. Allowability of program income as cost sharing or matching. If FMS Article VII of these general terms and conditions or the award-specific terms and conditions of this award specify that you are to use some or all of the program income you earn to meet cost-sharing or matching requirements under the award, then program income is allowable as cost sharing or matching to the extent specified in those award terms and conditions.

Section E. Valuation of services or property that you or subrecipients contribute or donate. You must establish values for services or property contributed or donated toward cost sharing or matching by you or subrecipients in accordance with the provisions of this section. These contributions or donations are distinct from third-party contributions or donations to you or subrecipients, which are addressed in Section F of this article.

- 1. **Usual valuation of services or property that you or subrecipients contribute or donate.** Values established for contributions of services or property by you or a subrecipient must be the amounts allowable in accordance with the cost principles applicable to the entity making the contribution (i.e., you or the subrecipient), as identified in FMS Article III. For property, that generally is depreciation.
- 2. Needed approvals for, and valuation of, property that you or subrecipients donate.
 - a. Types of property that may be donated.
 - i. Buildings or land. If the purposes of this award include construction, facilities acquisition, or long-term use of real property, you may donate buildings or land to the project if you obtain Grants Officer prior approval. Donation of property to the project, as described in PROP Article I, means counting the value of the property toward cost sharing or matching, rather than charging depreciation.
 - ii. Other capital assets. If you obtain Grants Officer prior approval, you may donate to the project other capital assets identified in 2 CFR 200.439(b)(1) through (3).
 - b. **Usual valuation of donated property**. Unless you obtain our approval as described in paragraph E.2.c of this article, the value for the donated property must be the lesser of:
 - i. The value of the remaining life of the property recorded in your accounting records at the time of donation, or
 - ii. The current fair market value.
- c. **Approval needed for alternative valuation of property**. If you obtain our approval as reflected in the approved budget, you may count as cost sharing or matching the current fair market value of the



20 2024-10-01 SUB00004597 Page 104 of 182 donated property even if it exceeds the value of the remaining life of the property recorded in your accounting records at the time of donation.

d. **Federal interest in donated property**. Donating buildings, land, or other property to the project, rather than charging depreciation, results in a federal interest in the property in accordance with PROP Article I of these terms and conditions.

Section F. Valuation of third-party in-kind contributions.

- 1. **General**. If a third party furnishes goods or services to you or subrecipients that are to be counted toward cost sharing or matching under this award, the entity to which the third party furnishes the goods or services (i.e., you or a subrecipient) must document the fair market value of those in-kind contributions and, to the extent feasible, support those values using the same methods the entity uses internally.
- 2. **Valuation of third-party services**. You must establish values for third-party volunteer services and services of third parties' employees furnished to you or subrecipients as follows:
 - a. **Volunteer services.** Volunteer services furnished by third-party professional and technical personnel, consultants, and other skilled and unskilled labor must be valued in accordance with 2 CFR 200.306(e).
 - b. **Services of third parties' employees**. When a third-party organization furnishes the services of its employees to you or a subrecipient, values for the contributions must be established in accordance with 2 CFR 200.306(f).
 - c. **Additional requirement for donations to nonprofit organizations**. For volunteer services or services of third parties' employees furnished to a nonprofit organization:
 - i. OMB guidance in 2 CFR 200.434(e) also applies and may require the nonprofit organization to allocate a proportionate share of its applicable indirect costs to the donated services.
 - ii. The indirect costs that the nonprofit organization allocates to the donated services in that case must be considered project costs and may be either reimbursed under the award or counted toward required cost sharing or matching, but not both.
- 3. **Valuation of third-party property**. You must establish values for third-party property furnished to you or subrecipients as follows:
 - a. **Supplies donated by third parties**. When a third-party organization donates supplies (e.g., office, laboratory, workshop, or classroom supplies), the value that may be counted toward cost sharing or matching may not exceed the fair market value of the supplies at the time of donation.
 - b. Equipment, buildings, or land donated by third parties.



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- i. The value of third-party donations of equipment, buildings, or land that may be counted toward cost sharing or matching when the third party transferred title to you or a subrecipient depends on the purpose of the award in accordance with the following:
 - (A) If one of the purposes of the award is to assist you or the subrecipient in the acquisition of equipment, buildings, or land, you may count the aggregate fair market value of the donated property toward cost sharing or matching.
 - (B) If the award's purposes instead include only the support of activities that require the use of equipment, buildings, or land, you may only charge depreciation unless you obtain Grants Officer prior approval to count as cost sharing or matching the fair market value of equipment or other capital assets and fair rental charges for land.
- ii. The values of the donated property must be determined in accordance with the usual accounting policies of the entity to which the third party transferred title to the property, with the qualifications specified in 2 CFR 200.306(i)(1) and (2) for donated land and buildings and donated equipment, respectively.
- c. Use of space donated by third parties. If a third party makes space available for use by you or a subrecipient, the value that you may count toward cost sharing or matching may not exceed the fair rental value of comparable space as established by an independent appraisal, as described in 2 CFR 200.306(i)(3).
- d. **Equipment loaned by third parties**. If a third-party loans equipment for use by you or a subrecipient, the value that you may count toward cost sharing or matching may not exceed its fair rental value.

FMS Article VII. Program income. (SEPTEMBER 2017)

Section A. Definition. The term "program income" as used in this award:

- 1. Is gross income that:
 - a. You earn that is directly generated by a supported activity or earned as a result of this award; or
 - b. A subrecipient earns as a result of a subaward you make under this award.
- 2. Includes, but is not limited to, income earned under this award from:
 - a. Fees for services performed;



- b. The use or rental of real or personal property acquired under any Federal award and currently administered under this award;
- c. The sale of commodities or items fabricated under this award; and
- d. License fees and royalties on patents and copyrights;
- e. Payments of principal and interest on loans made with Federal award funds.
- 3. Does not include for purposes of this award any:
 - a. Interest earned on advance payments, disposition of which is addressed in FMS Article II;
 - b. Proceeds from the sale of real property, equipment or supplies, which is addressed in PROP Articles III and IV;
 - c. Rebates, credits, discounts, and interest earned on any of them; and
 - d. Governmental revenues, including any taxes, special assessments, levies, fines, and similar revenues you raise.

Section B. Encouragement to earn program income. You are encouraged to earn program income under this award when doing so does not interfere with the project or program the award supports.

Section C. Costs of generating program income. You may deduct costs incidental to the generation of program income from the amount that you use in accordance with Section E of this Article, as long as those costs are not charged to this award (which includes their being counted toward any cost sharing or matching you are required to provide).

Section D. License fees and royalties. You have no obligations to the Federal Government with respect to program income earned under this award from license fees and royalties for patents or patent applications, copyrights, trademarks, or inventions developed or produced under the award.

Section E. Use of program income.

- 1. You must use any program income that you earn during the period of performance under this award to increase the amount of the award (the sum of the Federal share and any cost sharing or matching you are required to provide), thereby increasing the amount budgeted for the project or program. The program income must be used for the purposes and under the terms and conditions of the award.
- 2. Your use of the additional funding is subject to the terms and conditions of this award, including:



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- a. FMS Article II concerning your use of balances of program income before you request additional funds from us; and
- b. FMS Article III concerning allowability of costs for which the funds may be used.
- 3. You must report on each Federal Financial Report (SF-425) that you submit in accordance with REP Article II the program income that you earn and any that you use during the reporting period covered by that SF-425.

Section F. Duration of accountability for program income.

The requirements concerning disposition of program income in Section E of this Article apply only to program income you or your subrecipients earn during the period of performance. There are no requirements under this award applicable to program income you or your subrecipients earn after the end of the period of performance.



Part 2: Property Administration (articles from this part are designated with "PROP" in the article title)

PROP Article I. Title to property. (SEPTEMBER 2017)

Section A. Title to property acquired under this award.

- 1. **General**. Other than any property identified in paragraph A.2 of this section as exempt property:
 - a. Title to real property, equipment, and supplies that you acquire (whether by purchase, construction or fabrication, development, or otherwise) and charge as direct project costs under this award vests in you, the recipient. Title to intangible property that you acquire (other than by developing or producing it) under this award also vests in you.
 - b. That title is a conditional title, subject to the terms and conditions in PROP Articles II-IV, Section D of PROP Article VI, and REP Article III of this award.
 - c. There is a federal interest in the property, other than intangible property that you develop or produce under the award. For real property, equipment, and intangible property, we retain this Federal interest until final disposition of the property under PROP Article III (for real property), PROP Article IV (for equipment), or Section D of PROP Article VI (for intangible property that is acquired, other than by developing or producing it), a period that in some cases may extend beyond closeout of this award.
- 2. **Exempt property.** For an award to conduct basic or applied research with a nonprofit institution of higher education or nonprofit organization whose primary purpose is conducting scientific research, title to all equipment and supplies acquired under the award and charged as direct costs to the project or program shall vest with you upon acquisition subject only to the following three conditions:
 - a. You use the equipment for the authorized purposes of the project or program until the property is no longer needed for those purposes.
 - b. You manage the equipment as provided in PROP Article II of these general terms and conditions. This includes maintaining property records that include the percentage of Federal participation in the costs of the project or program under which you acquired the exempt property, so that you may deduct the Federal share if you wish to use the property in future contributions for cost sharing or matching purposes on Federal awards.
 - c. The DoD Component reserves the right to transfer title to the equipment to another recipient entity if the Principal Investigator relocates his or her research program to that entity.



Section B. Property trust relationship.

- 1. **Basic requirement**. Other than intangible property that you develop or produce under the award, you hold any real property, equipment, or intangible property that you acquire or improve under this award in trust for the beneficiaries of the project or program that you are carrying out under the award.
- 2. Notices of record. RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.

Section C. Federally owned property. Title to any federally owned property that we provide to you under this award (or such property for which accountability is transferred to this award from another Federal award) remains with the Government.

Section D. Federal interest in donated real property or equipment.

If real property or equipment is acquired under this award through your donation of the property to the project or program (i.e., counting the value of the remaining life of the property recorded in your accounting records or the fair market value as permitted under FMS Article VI of this award as part of your share of project costs to meet any cost sharing or matching requirements, rather than charging depreciation):

- 1. The Government acquires a federal interest in the real property or equipment that is donated for use in the project or program.
- 2. The real property or equipment is subject to Section B of this article and the terms and conditions of PROP Articles II-IV and REP Article III that are applicable to property acquired under the award.
- 3. The Federal interest in the real property or equipment must be addressed at the time of property disposition.

Section E. Federal interest in property improved under the award.

- 1. The Government has an interest in improvements (as distinct from ordinary repairs and maintenance) you make to an item of real property or equipment if you charge the costs of the improvements as direct costs to this award.
- 2. We thereby acquire an interest in the property if the Government did not previously have one. If the Government already had an interest in the property, the value of that Federal interest in the property increases by the amount of the Federal interest in the improvements.
- 3. The property is subject to Section B of this article and the terms and conditions of PROP Articles II-IV and REP Article III that are applicable to real property or equipment acquired under the award.



4. The Federal interest must be addressed at the time of property disposition.

PROP Article II. Property management system. (SEPTEMBER 2023)

Section A. Insurance coverage for real property and equipment. You must, at a minimum, provide the equivalent insurance coverage for real property and equipment acquired or improved under this award as you provide for real property and equipment that you own.

Section B. Other management system standards for a State.

- 1. **Equipment.** Your property management system for equipment acquired or improved in whole or in part under this award must be in accordance with your state laws and procedures.
- 2. **Federally owned property.** You may use your own property management system for any federally owned property for which you are accountable, as long as it meets the following minimum standards:
 - a. **Records.** Your records must include for each item of federally owned property:
 - i. A description of the item.
 - ii. The location of the item.
 - iii. The serial or other identification number.
 - iv. Which Federal agency holds title.
 - v. The date you received the item.
 - vi. Any data on the ultimate disposition of the item, such as the date of disposal.
 - vii. The Federal award identification number of the award under which you are accountable for the item.
 - b. **Inventory.** You must take a physical inventory of federally owned property at least annually and reconcile the results with your records.
 - c. Control system. You must:
 - i. Maintain an internal property control system with adequate safeguards to prevent loss, damage, or theft of federally owned property.
 - ii. Investigate any loss, damage, or theft of federally owned property and promptly notify the



award administration office.

d. Maintenance. You must maintain the property in good condition.

Section C. Other management system standards for an institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity. Your procedures for managing equipment (including replacement equipment) acquired or improved in whole or in part under this award and any federally owned property for which you are accountable under this award must, as a minimum, meet the requirements in this section.

- 1. **Records**. You must maintain records that include for each item of equipment or federally owned property:
 - a. A description of the item.
 - b. The serial or other identification number.
 - c. Who holds title (e.g., you or the Government and, if the latter, which Federal agency).
 - d. The source of funding for the equipment, including the award number, or the source of the federally owned property, including the award number of the award under which you are accountable for the property.
 - e. The acquisition date and cost of the equipment (or improvement to the equipment) or the date you received the federally owned property.
 - f. The location, use, and condition of the equipment or federally owned property.
 - g. Information from which one can calculate the amount of the Federal interest in the acquisition or improvement of the item (this amount is zero after you compensate us for the Federal interest in the item or improvement).
 - h. Any data on the ultimate disposition of the item including the date of disposal and sale price.
- 2. **Labelling**. You must ensure that property owned by the Federal Government is labeled to identify it as federally owned property.
- 3. **Inventory**. You must take a physical inventory of equipment in which there is a federal interest and reconcile the results with your records at least once every 2 years.
- 4. **Control system**. You must:



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- a. Maintain an internal property control system with adequate safeguards to prevent loss, damage, or theft of equipment and federally owned property.
- b. Investigate any loss, damage, or theft and notify the award administration office if it involved equipment in which there is a federal interest under the award or federally owned property.
- 5. **Maintenance**. You must maintain equipment acquired or improved in whole or in part under the award and federally owned property in good condition.

PROP Article III. Use and disposition of real property. (SEPTEMBER 2017)

Section A. Use of real property.

- 1. You must use real property acquired or improved under this award for the originally authorized purpose as long as needed for that purpose. During that time, you may not:
 - a. Dispose of the property except, with the prior approval of the award administration office, to acquire replacement property under this award, in which case you may use the proceeds from the disposition as an offset to the cost of the replacement property; or
 - b. Encumber the title or other interests in the property without the prior approval of the award administration office.
- 2. **RESERVED Not Applicable.**
- 3. **RESERVED Not Applicable.**

Section B. Disposition of real property. When you no longer need real property for the originally authorized purpose, you must obtain disposition instructions from the award administration office except as provided in any paragraph A.3 of this article. Those instructions will provide for one of the following three alternatives, which are that you:

- 1. Retain title after compensating us for the Federal interest in the property, which is to be computed as specified in the definition of "Federal interest."
- 2. Sell the property and compensate us for the Federal interest in the property, as described in 2 CFR 200.311(c)(2).
- 3. Transfer title to us or a third party we designate, as described in 2 CFR 200.311(c)(3).

PROP Article IV. Use and disposition of equipment and supplies. (SEPTEMBER 2023)

Section A. Property subject to this article. This article specifies requirements for use and disposition of



equipment and supplies. If a provision of PROP Article I of this award identifies any type of equipment or supplies as exempt property, requirements of this Article apply to that exempt property only to the extent specified in that provision of PROP Article I or an award-specific term or condition. The types of non-exempt property to which this article applies are:

- 1. Supplies that you acquire either by purchase or by donation as cost sharing or matching under this award; and
- 2. Equipment for which title is vested conditionally in you. That includes equipment with a conditional title resulting from your having, either under this award or under a previous award from which you transferred accountability for the equipment to this award:
 - a. Directly charged as project costs, in whole or in part, the acquisition (by purchase, construction or fabrication, or development) of equipment;
 - b. Donated the equipment to the project or program by counting the value of the remaining life of the property recorded in your accounting records or the fair market value toward any cost sharing or matching requirements under the award, rather than charging depreciation (see PROP Article I, Section D); or
 - c. Directly charged as project costs improvements to the equipment that meet the criteria given in paragraph E.1 of PROP Article I.

Section B. Requirements for a State's use and disposition of equipment. You:

- 1. Must use the equipment for the authorized purposes of the project or program during the period of performance, or until the property is no longer needed for those purposes.
- 2. May not encumber the property without the prior approval of the award administration office.
- 3. Must use and dispose of the equipment in accordance with your state laws and procedures.

Section C. Use of equipment by an institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity. You:

- 1. Must use the equipment for the authorized purposes of the project or program under this award until the equipment is no longer needed for those purposes, whether or not the project or program continues to be supported by this award.
- 2. May not encumber the equipment without the prior approval of the award administration office.
- 3. During the time that the equipment is used for the project or program under this award:



- a. Must make the equipment available for use on other projects or programs but only if that use will not interfere with the equipment's use as needed for the project or program supported by this award.
 - First preference must be given to other projects or programs supported or previously supported by DoD Components and second preference to those supported or previously supported by other Federal agencies.
 - ii. Third preference is for other projects or programs not supported by the Federal Government. You should charge user fees for use of the equipment in those cases, if it is at all practicable.
- b. May use the equipment, if you need to acquire replacement equipment, as a trade-in or sell it (using sales procedures designed to ensure the highest possible return) and use the proceeds from the sale to offset the cost of the replacement equipment.
- 4. When the equipment is no longer needed for the project or program under this award, you may defer final disposition of the equipment and continue to use it on other federally sponsored projects or programs. You must give first priority to other projects or programs supported by DoD Components.
- 5. Notwithstanding the encouragement in FMS Article VII to earn program income, you may not use equipment in which there currently is a federal interest--whether you acquired it under this award or are otherwise accountable for it under this award--to provide services for a fee that is less than private companies charge for equivalent services.

Section D. Disposition of equipment by an institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity. You must request disposition instructions from the award administration office when either original or replacement equipment acquired under this award with a current fair market value that exceeds \$5,000 is no longer needed for the original project or program or for other federally sponsored activities as described in paragraph C.4 of this article. For each item of equipment with a current fair market value of \$5,000 or less, you may retain, sell, or otherwise dispose of the item with no further obligation to the Federal Government.

- 1. We may issue disposition instructions that:
 - a. Allow you to retain or sell any item of equipment after compensating us for the Federal interest in the property, which is to be computed as specified in the definition of "Federal interest;" or
 - b. Require you to transfer title to the equipment to a federal agency or a third party, in which case you are entitled to compensation from us for the non-Federal interest in the equipment, plus any reasonable shipping or interim storage costs incurred.
- 2. If we fail to provide disposition instructions for any item of equipment within 120 calendar days of receiving your request, you may retain or sell the equipment, but you must compensate us for the amount of the Federal interest in the equipment.



- 3. If you sell the equipment:
 - a. You must use sales procedures designed to ensure the highest possible return; and
 - b. You may deduct and retain for selling and handling expenses either \$500 or ten percent of the proceeds, whichever is less.

Section E. Use and disposition of supplies acquired under this award.

- 1. Use. As long as we retain a Federal interest in supplies acquired under this award either by purchase or by donation as cost sharing or matching, you may not use the supplies to provide services to other organizations for a fee that is less than private companies charge for equivalent services, notwithstanding the encouragement in FMS Article VII to earn program income.
- 2. Disposition. If you have a residual inventory of unused supplies with aggregate value exceeding \$5,000 at the end of the period of performance under this award, and the supplies are not needed for any other Federal award, you may retain the supplies or sell them but must in either case compensate us for the amount of the Federal interest in the supplies. You may deduct and retain for selling and handling expenses either \$500 or ten percent of the proceeds, whichever is less.

PROP Article V. Use and disposition of federally owned property. (SEPTEMBER 2017)

Section A. Use. During the time that federally owned property for which you are accountable under this award is used for the project or program supported by the award, you:

- 1. Also, may make the property available for use on other federally supported projects or programs, but only if that use will not interfere with the property's use for the project or program supported by this award. You must give first priority to other projects or programs supported by DoD Components.
- 2. May use the property for purposes other than federally supported projects or programs only with the prior approval of the awarding office or, if you request approval after the award is made, the award administration office.

Section B. Disposition. You must request disposition instructions from the award administration office for any federally owned property under this award, including any property for which a subrecipient is accountable under a subaward you make under this award, either:

- 1. At any time during the period of performance if the property is no longer needed for the project or program supported by this award; or
- 2. At the end of the period of performance.



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PROP Article VI. Intangible property. (SEPTEMBER 2023)

Section A. Assertion of copyright.

- 1. You may assert copyright in any work that is eligible for copyright protection if you acquire ownership of it under this award, either by developing it or otherwise.
- 2. With respect to any work in which you assert copyright, as described in paragraph A.1 of this section, DoD reserves a royalty-free, nonexclusive and irrevocable license to:
 - a. Reproduce, publish, or otherwise use the work for Federal Government purposes; and
 - b. Authorize others to reproduce, publish, or otherwise use the work for Federal Government purposes.

Section B. Inventions developed under the award.

- 1. **Applicability of Governmentwide clause for research awards**. You must comply with the Governmentwide patent rights award clause at 37 CFR 401.14, with the modifications described in paragraph B.2 of this section. DoD adopts that Governmentwide clause for the following entities, thereby broadening the applicability beyond types of entities included in the definition of "contractor" in 37 CFR part 401: any institution of higher education, non-profit organization, State, local government, Indian tribe, for-profit entity, foreign organization, or foreign public entity receiving a DoD award or subaward for the performance of experimental, research, or developmental work.
- 2. **Modifications to the wording of the Governmentwide clause**. DoD adopts the Governmentwide clause at 37 CFR 401.14, as described in paragraph B.1 of this section, with the following modifications:
 - a. **Terminology**. Throughout the Governmentwide award clause:
 - i. Insert the terms "recipient" and "subrecipient (or contractor to the recipient or to a subrecipient)" to replace the terms "contractor" and "subcontractor," respectively.
 - ii. Insert the terms "award" and "subaward (or contract under either the award or a subaward)" to replace the terms "contract" and "subcontract," respectively.
 - b. **Final report**. Add a new subparagraph (f)(5) to read, "The recipient must submit a final report listing all subject inventions made under the award or stating that there were none. The final report is due 120 calendar days after the end date of the period of performance unless you request, and we grant an extension of the due date."
 - c. Broadening applicability to all entities. Delete paragraphs (g)(2) and (3) of the



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Governmentwide clause, redesignate paragraph (g)(1) as paragraph (g), and delete the phrase "to be performed by a small business firm or domestic nonprofit organization" from paragraph (g) as redesignated.

Section C. Data produced under the award.

- 1. **Data in general**. The Federal Government has the right to:
 - a. Obtain, reproduce, publish, or otherwise use the data produced under this award; and
 - b. Authorize others to receive, reproduce, publish, or otherwise use the data produced under this award for Federal Government purposes.

2. Research data requested under the Freedom of Information Act (FOIA).

- a. If we receive a request under the FOIA for "research data" that are related to "published research findings" produced under this award and that were "used by the Federal Government in developing an agency action that has the force and effect of law," you must provide the data to us within a reasonable time after we request it from you, so that the data can be made available to the public through procedures established under the FOIA.
- b. For purposes of the requirement in paragraph C.2.a of this section, 2 CFR 200.315(e) provides definitions of the phrases "published research findings," "used by the Federal Government in developing an agency action that has the force and effect of law," and "research data."

Section D. Use and disposition of intangible property acquired, but not developed or produced, under the award.

1. **Applicability**. This section applies to a patent, patent application, copyright, or other intangible property acquired, but not developed or produced, under this award.

2. Use. You:

- a. Must use the intangible property for the authorized purpose under this award until the intangible property is no longer needed for that purpose, whether or not that purpose is still being supported by this award.
- b. May not encumber the intangible property without the prior approval of the award administration office.
- 3. **Disposition.** When the intangible property is no longer needed for the originally authorized purpose, you must contact the award administration office to arrange for disposition in accordance with the procedures specified for disposition of equipment in either Section B or D of PROP Article IV, as



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applicable.



Part 3: Procurement (articles from this part are designated with "PROC" in the article title)

PROC Article I. Procurement standards for States. (JANUARY 2021)

Section A. Use of State procurement system. Subject only to the conditions in Sections B through D of this article, you must use the same policies and procedures to procure supplies, equipment, real property, and services under this award that you use when you procure those items for State purposes using non-Federal funds.

Section B. Procurement of recovered materials. You must comply with the Resource Conservation and Recovery Act requirements described in OMB guidance in 2 CFR 200.323.

Section C. Debarment and suspension. You must comply with restrictions on awarding procurement transactions to excluded or disqualified parties and other requirements specified by OMB guidelines on nonprocurement debarment and suspension at 2 CFR part 180, as implemented by DoD at 2 CFR part 1125.

Section D. Contract provisions. You must include provisions in your procurement transactions under this award to require the contractors' compliance with the requirements specified in PROC Article III, as applicable.

PROC Article II. Procurement standards for institutions of higher education, nonprofit organizations, local governments, Indian tribes, and for-profit entities. (SEPTEMBER 2023)

Section A. General procurement standards.

- 1. For procurement under this award, you must comply with the OMB guidance in 2 CFR 200.318.
- 2. You must do business only with responsible contractors who are able to perform, as described in OMB guidance in 2 CFR 200.318(h). Related to that, you must comply with restrictions on awarding procurement transactions to excluded or disqualified parties and other requirements specified by OMB guidelines on nonprocurement debarment and suspension at 2 CFR part 180, as implemented by DoD at 2 CFR part 1125.

Section B. Competition. You must award procurement transactions under this award in accordance with the competition requirements described in OMB guidance in 2 CFR 200.319.

Section C. Procurement methods. You must award procurement transactions under this award using methods described in OMB guidance in 2 CFR 200.320.

Section D. Contracting with small and minority businesses, women's business enterprises, and



labor surplus area firms. You must take the affirmative steps described in OMB guidance in 2 CFR 200.321 when awarding procurement transactions under this award.

Section E. Contract cost and price. When awarding a procurement transaction under this award, you must follow the procedures related to cost and price that are described in OMB guidance in 2 CFR 200.324, using the applicable cost principles specified in FMS Article III.

Section F. Contract provisions. You must include provisions in your procurement transactions under this award to require the contractors' compliance with the requirements of PROC Article III, as applicable.

Section G. Procurement of recovered materials. If you are a political subdivision of a State, you must comply with the Resource Conservation and Recovery Act requirements described in OMB guidance in 2 CFR 200.323.

Section H. Review of procurement documents. Upon our request, you must make available:

- 1. Technical specifications on proposed procurement transactions, as described in 2 CFR 200.325(a).
- 2. Pre-procurement documents for our review, as described in 2 CFR 200.325(b) unless you are exempt from that requirement under 2 CFR 200.325(c).

Section I. Domestic preferences for procurements. As appropriate and to the extent consistent with law, you should, to the greatest extent practicable under this award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). This must be included in all subawards including all contracts and purchase orders for work or products under this award.

Section J. Bonding requirements. RESERVED - Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.

PROC Article III. Contract provisions for recipient procurements. (SEPTEMBER 2023)

Section A. Contract provisions for administrative requirements.

- 1. **Remedies**. In any contract under this award for an amount in excess of the simplified acquisition threshold, you must provide for administrative, contractual, or legal remedies, including any appropriate sanctions and penalties, when the contractor violates or breaches the contract terms.
- 2. **Termination**. In any contract for an amount in excess of \$10,000, you must specify: conditions under which you may terminate the contract for cause or convenience; the procedures for termination; and the basis to be used for settlement.
- 3. Allowable costs under cost-type contracts. In any cost-type contract with an entity, you must

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include a clause to permit the entity to charge to the contract only costs that are allowable under the cost principles that FMS Article III identifies as applicable to that type of entity, as supplemented by any award-specific terms and conditions related to allowability of costs that are included in this award. Your contract clause may permit the contractor to use its own cost principles in determining the allowability of its costs charged to the contract, as long as its cost principles comply with those Federal cost principles supplemented by any award-specific terms and conditions of this award.

- 4. **Rights in copyright and data**. You must include in each contract under this award a provision requiring that the contractor:
 - a. Grant the Government a royalty-free, nonexclusive and irrevocable right to:
 - i. Reproduce, publish, or otherwise use for Federal purposes any work that is subject to copyright and that the contractor develops, or acquires ownership of, under this award;
 - ii. Authorize others to reproduce, publish, or otherwise use such work for Federal purposes; and
 - b. Grant the Government the right to:
 - i. Obtain, reproduce, publish, or otherwise use data produced under this award;
 - ii. Authorize others to receive, reproduce, publish, or otherwise use such data for Federal purposes; and
 - c. Include the Government rights described in subparagraphs 4.a. and 4.b. of this section in any subcontracts.

5. Access to records.

- a. In any negotiated, cost-type or time and materials contract for an amount in excess of the simplified acquisition threshold, you must provide for access to any of the contractor's books, documents, papers, and records that are directly pertinent to that contract, to enable and support audits, examinations, excerpts, and transcriptions. The contract provision must provide access to those records for all of the following and their duly authorized representatives:
 - i. You;
 - ii. Us as the Federal awarding agency, including our Inspector General; and
 - iii. The Comptroller General of the United States.
- b. In any audit services contract for performance of an audit required by the Single Audit Act, as implemented by OMB in Subpart F of 2 CFR part 200, you must provide for the access to audit



documentation described in 2 CFR 200.517(b).

6. Records retention.

- a. In any negotiated, cost-type or time and materials contract for an amount in excess of the simplified acquisition threshold, you must provide for retention of all records that are directly pertinent to that contract for 3 years after you make final payment, and all pending matters are closed.
- b. In any audit services contract for performance of an audit required by the Single Audit Act, as implemented by OMB in Subpart F of 2 CFR part 200, you must provide for the retention of audit documentation described in 2 CFR 200.517(a).
- 7. **Reporting.** In any contract awarded under this award, you must include any provision for the contractor's reporting to you that may be needed in order for you to meet your requirements under this award to report to us.

Section B. Contract provisions for national policy requirements.

- 1. **Equal employment opportunity**. You must include the clause provided in 41 CFR 60-1.4(b) in any "federally assisted construction contract" (as defined in 41 CFR 60-1.3) under this award unless provisions of 41 CFR part 60-1 exempt the contract from the requirement.
- 2. Wage Rate Requirements (Construction). RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.
- 3. Copeland Act prohibition on kickbacks. RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.
- 4. Contract Work Hours and Safety Standards Act for work involving mechanics or laborers. In each contract for an amount greater than \$100,000 that involves the employment of mechanics or laborers and is not a type of contract excepted under 40 U.S.C. 3701, you must include the clauses specified in Department of Labor (DoL) regulations at 29 CFR 5.5(b) to require use of wage standards that comply with the Contract Work Hours and Safety Standards Act (40 CFR, Subtitle II, Part A, Chapter 37), as implemented by the DoL at 29 CFR part 5, "Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction."
- 5. **Patents and inventions**. If you procure the services of a nonprofit organization, small business firm, or other entity for the performance of experimental, developmental or research work, you must include in the contract the clause prescribed in Section B of PROP Article VI to establish contractual requirements regarding subject inventions resulting from the contract and provide for Government rights in those inventions.
- 6. Clean air and water requirements. You must:



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- a. In each contract for an amount greater than \$150,000 under this award, include a clause requiring the contractor to comply with applicable provisions of the Clean Air Act (42 U.S.C. 7401-7671q), Federal Water Pollution Control Act (33 U.S.C. 1251-1387), and standards, orders, or regulations issued under those acts; and
- b. Report any violations of the Acts, standards, orders, or regulations to both the award administration office and the appropriate regional office of the Environmental Protection Agency.
- 7. **Nonprocurement suspension and debarment**. Unless you have an alternate method for requiring the contractor's compliance, you must include a clause in each contract for an amount equal to or greater than \$25,000 and in each contract for federally required audit services to require the contractor to comply with OMB guidance on nonprocurement suspension and debarment in 2 CFR part 180, as implemented by DoD regulations at 2 CFR part 1125.
- 8. **Byrd Amendment anti-lobbying requirements**. In each contract for an amount exceeding \$100,000, you must include a clause requiring the contractor to submit to you the certification and any disclosure forms regarding lobbying that are required under 31 U.S.C. 1352, as implemented by the DoD at 32 CFR part 28.
- 9. **Purchase of recovered materials by States or political subdivisions of States**. In each contract under which the contractor may purchase items designated in Environmental Protection Agency (EPA) regulations in 40 CFR part 247, Subpart B, you must include a clause requiring the contractor to comply with applicable requirements in those EPA regulations, which implement section 6002 of the Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6962).
- 10. **Fly America requirements.** In each contract under which funds provided under this award might be used for international air travel for the transportation of people or property, you must include a clause requiring the contractor to:
 - a. Comply with the International Air Transportation Fair Competitive Practices Act of 1974 (49 U.S.C. 40118, also known as the "Fly America" Act), as implemented at 41 CFR 301-10.131 through 301-10.143. The law and regulations provide that U.S. Government-financed international air travel of passengers and transportation of personal effects or property must use a U.S. Flag air carrier or be performed under a cost-sharing arrangement with a U.S. carrier, if such service is available; and
 - b. Include the requirements of the Fly America Act in all subcontracts that might involve international air transportation.
- 11. Cargo preference for United States flag vessels. In each contract under which equipment, material, or commodities may be shipped by oceangoing vessels, you must include the clause specified in Department of Transportation regulations at 46 CFR 381.7(b) to require that at least 50 percent of equipment, materials or commodities purchased or otherwise obtained with Federal funds under this



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award, and transported by ocean vessel, be transported on privately owned U.S.-flag commercial vessels, if available.

- 12. Prohibition on Using Funds under Grants and Cooperative Agreements with Entities that Require Certain Internal Confidentiality Agreements. You must include the provision provided in Section B.1 of NP Article IV in Part 7 of these general terms and conditions in each contract under this award.
- 13. **Prohibition on certain telecommunications and video surveillance services or equipment.** You must include the provision provided in Section B.18 of NP Article IV in Part 7 of these general terms and conditions in each contract under this award.



Part 4: Financial, Programmatic, and Property Reporting (articles from this part are designated with "REP" in the article title)

REP Article I. Performance management, monitoring, and reporting. (SEPTEMBER 2023)

Section A. Required reporting form, format, or data elements for interim and final performance reports.

1. You must report any changes in key personnel identified in award documents, including the current and pending information. You must provide this information using the "Participants and Other Collaborating Organizations" section of the Research Performance Progress Report (RPPR) package.

Section B. Frequency, reporting periods, and due dates for interim performance reports. RESERVED Language in DoD Component addendum to these terms and conditions.

Section C. Due date and reporting period for final performance report.

- 1. **Due date**. You must submit the final performance report under this award no later than 120 calendar days after the end date of the period of performance unless we approve an extension of that due date as described in Section D of this article.
- Reporting period. Final reports must be cumulative (i.e., each final report should cover the entire period of performance under the award and not just the period since the previous interim performance report).

Section D. Extensions of due dates. You may request extensions of the due dates that Sections B and C of this Article specify for interim and final reports, respectively. You must provide the reasons for your request, and we will consider approving extensions that are adequately justified.

Section E. Reporting significant developments. You must report the following information to us as soon as you become aware of it:

- 1. Problems, delays, or adverse conditions that will materially impair your ability to meet the objectives of this award. This disclosure must include a statement of the action taken, or contemplated, and any assistance needed to resolve the situation.
- 2. Favorable developments which will enable you to meet schedules and objectives sooner or at less cost than anticipated or produce more or different beneficial results than originally planned.

Section F. Performance reporting procedures. RESERVED - Language in DoD Component addendum to these terms and conditions.

Section G. Site visits. We reserve the right to make site visits as warranted to monitor program



performance under this award.

REP Article II. Financial reporting. (SEPTEMBER 2017)

Section A. Required reporting form, format, or data elements for interim and final financial reports. RESERVED - Language in DoD Component addendum to these terms and conditions.

Section B. Interim financial reports: frequency, reporting periods, and due dates. RESERVED - Language in DoD Component addendum to these terms and conditions.

Section C. Final financial report. You must submit the final financial report under this award no later than 120 calendar days after the end date of the period of performance.

Section D. Extensions of due dates. You may request extensions of the due dates that Sections B and C of this Article specify for interim and final reports, respectively. You must provide the reasons for your request, and we will consider approving extensions that are adequately justified.

Section E. Where and how to submit financial reports. RESERVED - Language in DoD Component addendum to these terms and conditions.

REP Article III. Reporting on property. (SEPTEMBER 2017)

Section A. Real property. Paragraphs A.1 through A.4 apply to real property for which you are accountable under this award, for as long as there is a federal interest in the property (whether that interest is due to you or a subrecipient having acquired or improved the property under this award, or a transfer of the accountability for the property to this award from another award).

- 1. **Periodic status reports.** You must submit periodic status reports, as follows:
 - a. Frequency and duration of reporting requirement. RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.
 - b. Due dates. RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.
 - c. Other submission instructions. **RESERVED Only applicable if provided in DoD Component** addendum to these terms and conditions or award-specific terms and conditions.
- 2. **Notifications of critical changes**. You must notify the award administration office of any critical change in the status of real property as soon as feasible after you become aware of it. A critical change is any event with a significant adverse impact on the condition or value of the property, such as damage due to fire; flood, hurricane, or other severe weather; earthquake; or accident.



- 3. **Requests for disposition instructions**. You must comply with applicable requirements in PROP Article III to request disposition instructions, either during the period of performance or at closeout.
- 4. **Closeout accounting**. You must account to the award administration office for real property at the time of closeout of the award, as required by Section D of OAR Article VI.

Section B. Equipment and supplies. Paragraphs B.1 through B.4 apply to equipment or supplies for which you are accountable under this award and in which there is a federal interest (whether that interest is due to you or a subrecipient having acquired or improved the property under this award, or a transfer of the accountability for the property to this award from another award).

- 1. **Periodic status report**. There is no requirement for periodic reporting during the period of performance.
- 2. **Notifications of loss, damage, or theft**. You must comply with applicable requirements in PROP Article II governing your property management system to promptly notify the award administration office of any loss, damage, or theft of equipment.
- 3. **Requests for disposition instructions**. You must comply with applicable requirements in PROP Article IV to request disposition instructions for equipment, either during the period of performance or at closeout.

4. Closeout accounting.

- a. **Equipment**. You must account to the award administration office for equipment at the time of closeout of this award, as required by Section D of OAR Article VI.
- b. **Supplies.** If you have a residual inventory of unused supplies that meets the criteria specified in paragraph E.2 of PROP Article IV, you must as part of your closeout accounting arrange with the award administration office for the compensation that paragraph specifies for the Federal interest in the supplies.

Section C. Federally owned property. Paragraphs C.1 through C.4 apply to federally owned property for which you are accountable under this award.

- 1. **Annual inventory**. You must submit annually to the award administration office an inventory of federally owned property.
- 2. **Notifications of loss, damage, or theft**. As provided in PROP Article II governing your property management system, you must promptly notify the award administration office of any loss, damage, or theft of federally owned property.



- 3. **Requests for disposition instructions**. You must comply with requirements in Section B of PROP Article V to request disposition instructions, either during the period of performance or at closeout.
- 4. **Closeout accounting**. Your requests for disposition instructions for federally owned property, as described in paragraph C.3 of this section, satisfy the need to account for federally owned property at closeout (see Section D of OAR Article VI).

Section D. Intangible property. Paragraphs D.1 through D.3 apply to intangible property for which you are accountable under this award.

- 1. **Inventions developed under the award**. You must submit all reports on subject inventions developed under this award that are required by the modified Governmentwide patent rights award provision specified in Section B of PROP Article VI, which include a disclosure of each subject invention and a final report listing all such subject inventions.
- 2. Copyrights and data. You are not required to submit periodic reports about data produced under the award or about works for which you acquired ownership under this award, either by development or otherwise, and in which copyright was asserted. However, because the Federal Government has the rights in the works and data that Sections A and C of PROP Article VI specify, you must provide information about the works and data if we request it.
- 3. **Intangible property acquired, but not developed or produced, under the award**. You must comply with requirements in Section D of PROP Article VI to request disposition instructions for intangible property acquired, but not developed or produced, under the award.

REP Article IV. Reporting on subawards and executive compensation. (JANUARY 2021)

You must report information about subawards, and executive compensation as specified in the award provision in appendix A to 2 CFR part 170, "Reporting subaward and executive compensation information," modified as follows:

- 1. To accommodate any future designation of a different Governmentwide Web site for reporting subaward information, the Web site "http://www.fsrs.gov" cited in paragraphs a.2.i. and a.3 of the award provision is replaced by the phrase "http://www.fsrs.gov" or successor OMB-designated Web site for reporting subaward information;"
- 2. To accommodate any future designation of a different Governmentwide Web site for reporting executive compensation information, the Web site "http://www.sam.gov" cited in paragraph b.2.i. of the award provision is replaced by the phrase "https://www.sam.gov" or successor OMB-designated Web site for reporting information on total compensation."



Part 5: Other Administrative Requirements (articles from this part are designated with "OAR" in the article title)

OAR Article I. Submitting and maintaining recipient information. (JANUARY 2021)

Section A. System for Award Management.

- 1. Unless you are exempted from this requirement in accordance with OMB guidance in 2 CFR 25.110, you must maintain the currency of information about yourself in the system the Federal Government specifies as the repository for information about its business partners (currently the System for Award Management (SAM)). This includes information on your immediate and highest-level owner and subsidiaries, as well as on all of your predecessors that have been awarded a federal contract or Federal financial assistance within the last three years, if applicable.
- 2. You must maintain the information in that system until you submit the final financial report required under this award or receive the final payment, whichever is later.
- 3. You must review and update the information at least annually after your initial registration in the system (unless you are subject to the requirements in Section B) and more frequently if required by changes in your information.

Section B. Reporting of Performance and Integrity Information.

- 1. **General reporting requirement.** If the total value of your currently active grants, cooperative agreements, and procurement contracts from all Federal agencies exceeds \$10,000,000 for any period of time during the period of performance of this award, then during that period of time you must maintain in SAM the currency of information required by paragraph B.2 of this section. Note that:
 - a. This reporting is required under section 872 of Public Law 110-417, as amended (41 U.S.C. 2313).
 - b. As required by section 3010 of Public Law 111-212, all performance and integrity information posted in the designated information system on or after April 15, 2011, except past performance reviews required for Federal procurement contracts, will be publicly available.
 - c. Recipient information is submitted to the OMB-designated integrity and performance system through the SAM, as described in paragraph B.3 of this section. The currently designated integrity and performance information system is the Federal Awardee Performance and Integrity Information System (FAPIIS).
- 2. **Proceedings about which you must report.** Submit the information that the designated information system requires about each proceeding that:
 - a. Is in connection with the award or performance of a grant, cooperative agreement, or procurement



contract from the Federal Government;

- b. Reached its final disposition during the most recent 5-year period; and
- c. Is one of the following:
 - i. A criminal proceeding that resulted in a conviction, as defined in paragraph B.5. of this section;
 - ii. A civil proceeding that resulted in a finding of fault and liability and payment of a monetary fine, penalty, reimbursement, restitution, or damages of \$5,000 or more;
 - iii. An administrative proceeding, as defined in paragraph B.5. of this section, that resulted in a finding of fault and liability and your payment of either monetary fine or penalty of \$5,000 or more or a reimbursement, restitution, or damages in excess of \$100,000; or
 - iv. Any other criminal, civil, or administrative proceeding if:
 - (A) It could have led to an outcome described in paragraph B.2.c.i, ii, or iii of this section;
 - (B) It had a different disposition arrived at by consent or compromise with an acknowledgment of fault on your part; and
 - (C) The requirement in this section to disclose information about the proceeding does not conflict with applicable laws and regulations.
- 3. **Reporting procedures.** Submit the information required in paragraph B.2 of this section to the Entity Management functional area of SAM.
 - a. Current procedures are to submit the information as part of the maintenance of your information in the SAM that Section A of this article requires.
 - b. You do not need to submit the information again under this award if you already reported current information to the SAM under another Federal grant, cooperative agreement, or procurement contract.
- 4. **Reporting frequency.** During any period of time when you are subject to the requirement in paragraph B.1 of this section, you must report to SAM at least semiannually following your initial report of any information required in paragraph B.2 of this section, either to provide new information not reported previously or affirm that there is no new information to report.
- 5. **Definitions.** For purposes of this section:



- a. Administrative proceeding means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative proceedings, Civilian Board of Contract Appeals proceedings, and Armed Services Board of Contract Appeals proceedings). This includes proceedings at the Federal and State level but only in connection with performance of a federal contract, grant, or cooperative agreement. It does not include audits, site visits, corrective plans, or inspection of deliverables.
- b. *Conviction* means a judgment or conviction of a criminal offense by any court of competent jurisdiction, whether entered upon a verdict or a plea, and includes a conviction entered upon a plea of nolo contendere.
- c. Total value of currently active grants, cooperative agreements, and procurement contracts includes:
 - i. Only the Federal share of the funding under any Federal agency award with a recipient cost share or match; and
 - ii. The value of all expected funding increments and options, even if not yet exercised, under each Federal agency award.

Section C. Disclosure of evidence of integrity-related issues.

- 1. **Disclosure requirement.** At any time during the period of performance of this award, if you have evidence that a covered person committed a covered action (see paragraphs C.2 and C.3 of this section) that may affect this award, you must disclose the evidence in writing to the Office of the Inspector General, DoD, with a copy to the grants officer identified in the award cover pages.
- 2. **Covered person.** As the term is used in this section, *covered person* means a principal, employee, or agent of either you or a subrecipient under this award, where:
 - a. Principal means:
 - i. An officer, director, owner, partner, principal investigator, or other person with management or supervisory responsibilities that relate to this award; or
 - ii. A consultant or other person, whether or not employed by you or a subrecipient or paid with funds under this award, who:
 - (A) Is in a position to handle funds under this award;
 - (B) Is in a position to influence or control the use of those funds; or
 - (C) Occupies a technical or professional position capable of substantially influencing the



development or outcome of an activity required to perform the project or program under this award.

- b. *Agent* means any individual who acts on behalf of, or who is authorized to commit you or the subrecipient, whether or not employed by you or the subrecipient.
- 3. **Covered action.** As the term is used in this section, *covered action* means a violation of Federal criminal law in Title 18 of the United States Code involving fraud, bribery, or a gratuity violation.
- 4. Safeguarding of the information.
 - a. To the extent permitted by law and regulation, we will:
 - i. Safeguard and treat information you disclose to us as confidential if you mark the information as "confidential" or "proprietary."
 - ii. Not release the information to the public in response to a Freedom of Information Act (5 U.S.C. 552) request without notifying you in advance.
 - b. We may transfer documents you provide to us to any other department or agency within the Executive Branch of the Federal Government if the information relates to matters within that organization's jurisdiction.

OAR Article II. Records retention and access. (JANUARY 2021)

Section A. Records retention period. Except as provided in Sections B through D of this article:

- 1. You must keep records related to any real property and equipment acquired, in whole or in part, using Federal funds under the award for 3 years after final disposition of the property. For any item of exempt property with a current fair market value greater than \$5,000, and for which final disposition was not a condition of the title vesting, you must keep whatever records you need for as long as necessary to ensure that you can deduct the Federal share if you later use the property in contributions for cost sharing or matching purposes under any Federal award.
- 2. You must keep records related to rate proposals for indirect or facilities and administrative costs, cost allocation plans, and supporting records such as indirect cost rate computations and any similar accounting computations of the rate at which a particular group of costs is chargeable (such as computer usage chargeback or composite fringe benefit rates) as follows:
 - a. If you are required to submit a proposal, plan, or other computations to your Federal cognizant agency for indirect costs, as the basis for negotiation of a rate, you must keep the submissions and all supporting records for 3 years from the date on which you were required to make the submissions.



- b. If you are not required to submit a proposal, plan, or other computation as the basis for negotiation, you must keep the proposal, plan, other computation, and supporting records for 3 years from the end of the fiscal year or other accounting period covered by the proposal, plan, or other computation.
- 3. You must keep other financial records, supporting documents, statistical records, and other records pertinent to this award for a period of 3 years from the date you submit your final financial report under the award.

Section B. Extensions of retention period due to litigation, claim, or audit.

- 1. If any litigation, claim, or audit begins before the end of the 3-year retention period specified in Section A of this article and the final action related to the litigation, claim, or audit is not taken before the end of that 3-year period, you must retain all records related to this award that may be involved in the litigation, claim, or audit until all findings involving the records have been resolved and final action taken.
- 2. We may disallow costs and recover funds under this award based on an audit or other review of records during the record retention period, including any extension to that retention period that we required in a written notification to you.

Section C. Records for program income earned after the end of the performance period. In accordance with Section F of FMS Article VII, there are no requirements under this award applicable to program income you earn after the end of the period of performance and therefore no associated records retention requirements.

Section D. Records for joint or long-term use.

- 1. **Joint use**. To avoid duplicate recordkeeping for records that you and we both need to use on a continuous basis, we may ask you to make special arrangements with us, by mutual agreement, to make records available for joint and continuous use.
- 2. **Long-term use**. If we determine that some records will be needed longer than the 3-year period specified in Section A of this article, we may request that you either:
 - a. Retain the records for a longer period of time; or
 - b. Transfer the records to our custody for long-term retention.
- 3. **Retention requirements for transferred records**. For any records transferred to our custody, you are not subject to the records retention requirements in Section A of this article.



Section E. Methods for collecting, transmitting, and storing information.

- 1. You should, whenever practicable, collect, transmit, and store information related to this award in open and machine-readable formats rather than in closed formats or on paper. However, if you request it, we will:
 - a. Provide award related information to you on paper; and
 - b. Accept award related information from you on paper. In that case, we will not require more than an original and two copies.
- 2. When your original records are in an electronic form that cannot be altered, you do not need to create and retain paper copies of those records.
- 3. When your original records are on paper, you may substitute electronic versions produced through duplication or using other forms of electronic media, provided that:
 - a. You conduct periodic quality control reviews of the records,
 - b. You provide reasonable safeguards against alteration of the records, and
 - c. The records remain readable.

Section F. Access to records.

1. Scope of Government access rights.

- a. We as the awarding agency, the Federal Government Inspectors General, the Comptroller General of the United States, and any of our authorized representatives have the right of access to any documents, papers, or other records you have that are pertinent to this award, in order to make audits, examinations, excerpts, and transcripts.
- b. This right also includes timely and reasonable access to your personnel for the purposes of interview and discussion related to the records.
- c. As described in OMB guidance at 2 CFR 200.337(b), the access to records described in this section will include access to the true name of a victim of a crime only under extraordinary and rare circumstances.
 - i. You are required to provide that access only in response to a court order or subpoena pursuant to a bona fide confidential investigation, or in response to a request duly authorized by the head of the DoD Component or his or her designee; and



- ii. You must take appropriate steps to protect this sensitive information.
- 2. **Duration of Government access rights**. We have the access rights described in paragraph F.1 of this section as long as you retain the records.

3. Public access.

- a. You must comply with requirements to protect information that Federal statute, Executive order, or regulation requires to be protected (e.g., personally identifiable or export-controlled information), to include both information generated under this award and information provided to you and identified as being subject to protection. Other than those limitations on dissemination of information, we place no restrictions on you that limit public access to your records pertinent to this award.
- b. We do not place any requirements on you to permit public access to your records separate from any Federal, State, local, or tribal statute that may require you to do so.
- c. The Freedom of Information Act (FOIA, 5 U.S.C. 552) does not apply to records in your possession but records you provide to us generally will be subject to FOIA, with the applicable exemptions.

OAR Article III. Remedies and termination. (SEPTEMBER 2023)

Section A. Noncompliance with award terms and conditions. If you fail to comply with a term or condition of this award or an applicable Federal statute or regulation, we may amend this award to impose award-specific conditions, as described in OMB guidance in 2 CFR 200.208. If imposing award specific conditions, we will notify you before modifying the award and, once you have corrected the noncompliance, promptly remove the award-specific conditions. If we determine that the imposition of award-specific conditions is insufficient to correct the noncompliance or the non-compliance remains uncorrected despite the use of award-specific conditions, we may consider taking one or more of the remedies specified in Section B of this article.

Section B. Remedies for noncompliance.

- 1. If you fail to comply with a term or condition of this award or an applicable Federal statute or regulation, we may take one or more of the following actions that we deem appropriate to the circumstances:
 - a. Temporarily withhold cash payments pending:
 - i. Your correction of the deficiency; or
 - ii. Our taking more severe remedies.



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- b. Disallow (that is, deny both use of funds and any applicable cost-sharing or matching credit for) all or part of the cost of the activity or action not in compliance;
- c. Suspend or, in accordance with paragraph C.1.a.i of this article, terminate this award, in whole or in part (suspension of an award is a separate and distinct action from suspension of a person under 2 CFR parts 180 and 1125, as noted in paragraph B.3 of this article);
- d. Withhold further awards to you for the project or program that is not in compliance;
- e. Take any other action legally available to us under the circumstances.
- 2. You may raise an objection to our taking any remedy we take under paragraph B.1 of this section and will be given an opportunity to provide information and documentation challenging the action. The procedures are those specified in OAR Article IV for claims and disputes.
- 3. Our use of any remedy under paragraph B.1 of this section, including suspension or termination of the award, does not preclude our referring the noncompliance to a suspension and debarment official and asking that official to consider initiating a suspension or debarment action under 2 CFR part 1125, the DoD implementation of OMB guidance at 2 CFR part 180.

Section C. Termination.

- 1. This award may be terminated in whole or in part as follows:
 - a. **Unilaterally by the Government**. We will provide a notice of termination if we unilaterally terminate this award in whole or in part, which we may do for either of the following reasons:
 - i. Your material failure to comply with the award terms and conditions. If we terminate the award for that reason, we will report the termination to the OMB-designated integrity and performance system (currently FAPIIS). In accordance with 41 U.S.C. §2313, each Federal awarding official must review and consider the information in the OMB-designated integrity and performance system with regard to any proposal or offer before awarding a grant or contract.
 - ii. The program office does not have funding for an upcoming increment if this award is incrementally funded. In that case, the Government's financial obligation does not exceed the amount currently obligated under the award.
 - iii. If an award no longer effectuates the program goals or agency priorities.
 - b. **By mutual agreement**. With your consent, we may terminate this award, in whole or in part, for any reason. In that case, you and we must agree to:



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- i. The termination conditions, including the effective date; and
- ii. In the case of a partial termination, the portion to be terminated.
- c. **Unilaterally by the recipient**. You may unilaterally terminate this award, in whole or in part, by sending us written notification that states:
 - i. The reasons for the termination;
 - ii. The effective date; and
 - iii. In the case of partial termination, the portion to be terminated. In that case, however, we may terminate the award in its entirety if we determine that the remaining portion of the award will not accomplish the purposes for which we made the award.
- 2. If this award is terminated in its entirety before the end of the performance period, you must complete the closeout actions for which you are responsible under OAR Article VI. The due date for each action is to be measured relative to the date of termination.
- 3. If this award is only partially terminated before the end of the performance period, with a reduced or modified portion of the award continuing through the end of the performance period, then closeout actions will occur at the end of the performance period as specified in OAR Article VI.
- 4. You will continue to have all of the post-closeout responsibilities that OAR Article VII specifies for you if this award is wholly or partially terminated before the end of the performance period.

Section D. Effects of suspension or termination of the award on allowability of costs. If we suspend or terminate this award prior to the end of the period of performance, costs resulting from obligations that you incurred:

- 1. Before the effective date of the suspension or termination are allowable if:
 - a. You properly incurred those obligations;
 - b. You did not incur the obligations in anticipation of the suspension or termination;
 - c. In the case of termination, the costs resulted from obligations that were noncancellable after the termination; and
 - d. The costs would have been allowable if we had not suspended or terminated the award and it had expired normally at the end of the period of performance.



2. During the suspension or after the termination are not allowable unless we expressly authorize them, either in the notice of suspension or termination or subsequently.

OAR Article IV. Claims, disputes, and appeals. (SEPTEMBER 2023)

Section A. Definitions.

- 1. Claim. The definition of the term "claim," as it is used in this article, is in 2 CFR 1108.80
- 2. Grant Appeal Authority. RESERVED Language in DoD Component addendum to these terms and conditions.

Section B. Submission of claims.

- 1. **Your claims**. To submit a claim arising out of this award, you must submit it in writing to the grants officer for decision, specify the nature and basis for the relief you are requesting, and include all data that supports your claim.
- 2. **Government claims**. You will receive a written grants officer's decision if a DoD claim arises out of this award.

Section C. Alternative dispute resolution.

- 1. We encourage resolution of all issues related to this award by mutual agreement between you and the grants officer.
- 2. If you and the grants officer are unable to resolve an issue through unassisted negotiations, we encourage use of Alternative Dispute Resolution (ADR) procedures to try to do so. ADR procedures are any voluntary means, such as mini-trials or mediation, used to resolve issues in controversy. ADR procedures may be used prior to submission of a claim or at any other time prior to the Grant Appeal Authority's decision on any appeal you submit.

Section D. Grants officer decisions for claims you submit.

- 1. Within 60 calendar days of receiving your claim, the grants officer will either:
 - a. Transmit a written decision that:
 - i. Identifies data on which the decision is based; and
 - ii. Identifies and provides the mailing address for the Grant Appeal Authority to whom you will submit an appeal of the decision if you elect to do so; or



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- b. If more time is required to render a written decision, notify you of a specific date when he or she will render the decision and inform you of the reason for delaying it.
- 2. The grants officer's decision will be final unless you decide to appeal, in which case we encourage use of ADR procedures as noted in Section C of this article.

Section E. Formal administrative appeals.

- 1. **Right to appeal**. You have the right to appeal a grants officer's decision to the Grant Appeal Authority identified in Section A of this article.
- 2. **Notice of appeal**. You may appeal a grants officer's decision within 90 calendar days of receiving the decision by submitting a written notice of appeal to the Grant Appeal Authority and grants officer. If you elect to use ADR procedures, you are allowed an additional 60 calendar days to submit the written notice of appeal.
- 3. **Appeal file**. Within 30 calendar days of the grants officer's receipt of your notice of appeal, you should receive the appeal file with copies of all documents relevant to the appeal. You may supplement the file with other documents you deem relevant and with a memorandum in support of your position for the Grant Appeal Authority's consideration. The Grant Appeal Authority may request additional information from you.
- 4. **Decision**. Unless the Grant Appeal Authority decides to conduct fact-finding procedures or an oral hearing on the appeal, the appeal will be decided solely on the basis of the written record. Any fact-finding or hearing will be conducted using procedures that the Grant Appeal Authority deems appropriate.
- **Section F. Representation.** You may be represented by counsel or any other designated representative in any claim, appeal, or ADR proceeding, as long as the representative is not otherwise prohibited by law or regulation from appearing before the DoD Component concerned.
- **Section G. Non-exclusivity of remedies.** Nothing in this article is intended to limit your right to any remedy under the law.
- **Section H. Effect of Grant Appeal Authority's decision.** The Grant Appeal Authority's decision is the final administrative decision of DoD and cannot be further appealed within DoD.

OAR Article V. Collection of amounts due. (SEPTEMBER 2017)

Section A. Establishing a debt.

1. Any amount paid to you in excess of the amount to which you are determined to be entitled under the terms and conditions of this award constitutes a debt to the Federal Government.



- 2. The grants officer will attempt to resolve any claim of your indebtedness arising out of this award by mutual agreement.
- 3. If the grants officer fails to resolve the claim in that manner, you will receive a written notice of the grants officer's decision formally determining the debt, as described in paragraph B.2 of OAR Article IV. The notice will describe the debt, including the amount, name and address of the official who determined the debt, and a copy of that official's determination.

Section B. Debt delinquency and appeals.

- 1. Within 30 calendar days of the grants officer's decision, you must either pay the amount owed to the address provided in the written notice or inform the grants officer that you intend to appeal the decision. Appeal procedures are described in OAR Article IV.
- 2. If you elect not to appeal, any amounts not paid within 30 calendar days of the grants officer's decision will be a delinquent debt.
- 3. If you elect to appeal the grants officer's decision, you will have 90 calendar days after receipt of the grants officer's decision to file your appeal unless Alternative Dispute Resolution (ADR) procedures are used, as described in Section C of OAR Article IV, in which case you will have 150 calendar days.

Section C. Demand letter, interest, and debt collection.

- 1. If within 30 calendar days of the grants officer's decision, you neither pay the amount due nor provide notice of your intent to appeal the grants officer's decision, the grants officer will send you a demand letter identifying a payment office that will be responsible for any further debt collection activity.
- 2. If you do not pay by the due date specified in the written demand letter, the Federal Government may collect part or all of the debt by:
 - a. Making an administrative offset against your requests for reimbursements under Federal awards;
 - b. Withholding advance payments otherwise due to you; and
 - c. Any other action permitted by Federal statute.
- 3. The debt will bear interest, and may include penalties and other administrative costs, in accordance with applicable provisions of the DoD Financial Management Regulation (DoD 7000.14-R), which implements the Federal Claims Collection Standards. The date from which interest is computed is not extended by litigation or the filing of any form of appeal.



OAR Article VI. Closeout. (JANUARY 2021)

Section A. Liquidation of financial obligations. Unless the award administration office authorizes an extension of the due date, you must liquidate all financial obligations that you incurred under this award not later than 120 calendar days after the end date of the period of performance.

Section B. Refunds of unobligated balances. You must promptly refund to the award administration office any balances of unobligated cash that we have advanced or paid to you and not authorized you to use on other projects or programs.

Section C. Final reports. You must submit the:

- 1. Final performance report under this award no later than the date specified in Section C of REP Article I, subject to any extensions granted under Section D of that article;
- 2. Final financial report under this award no later than the date specified in Section C of REP Article II, subject to any extensions granted under Section D of that article;
- 3. Final report listing subject inventions made under the award no later than the date specified in Section B of PROP Article VI; and
- 4. Other final reports that are required under this award no later than 120 calendar days after the end date of the period of performance, unless you request an extension of the due date, and the award administration office approves the request.

Section D. Accounting for property. You must account for any real property, equipment, supplies, and intangible property that you and any subrecipients acquired or improved under the award, in accordance with PROP Articles I through IV and VI. Your requests for disposition instructions for any federally owned property, as required by PROP Article V, meet the need described in OMB guidance at 2 CFR 200.344(f) to account for that property at closeout.

Section E. Delinquent Final Reports and Timeframe for Closeout.

- 1. We intend to closeout this award no later than one year after the end date of the period of performance.
 - a. If you or your lower-tier entities (e.g., subrecipients) do not have negotiated final indirect costs rates before the due date of the final financial reports, the final reports must be based on the best information at the time (e.g., proposed final indirect rates). You will have post-closeout continuing responsibilities related to the finalization of those rates in accordance with paragraph A.2 of OAR Article VII.
 - b. If you do not provide timely and/or accurate final reports or do not respond timely to our requests to reconcile discrepancies in these reports or other records, we may initiate closeout based on information we have on hand. For example, if you fail to submit a timely final financial report,



we may use amounts provided in the latest interim financial report and/or payment request to determine final amounts to be paid for closeout purposes.

2. Failure to submit timely and accurate final reports may result in our taking one or more remedies as specified in Section B of OAR Article III and reporting your material failure to comply with the terms and conditions of this award in the OMB-designated integrity and performance system accessible through SAM (currently FAPIIS).

OAR Article VII. Post-closeout adjustments and continuing responsibilities. (SEPTEMBER 2023)

Section A. Adjustments. The closeout of this award does not affect:

- 1. Our right to disallow costs and recover funds on the basis of a later audit or other review, as long as we make the determination that the costs are disallowed and notify you about that determination as specified in paragraph B.2 of OAR Article II of these terms and conditions.
- 2. Your obligation to return any funds due to the Federal Government as a result of later refunds, corrections, or other transactions (to include any adjustments in final indirect cost rates).

Section B. Continuing responsibilities. After closeout of this award, you must continue to comply with terms and conditions of this award that have applicability beyond closeout, including requirements concerning:

- 1. Audits, as specified in FMS Article V, that cover periods of time during which you expended funds under this award.
- Management, use, and disposition of any real property or equipment acquired or improved under this award in which we continue to have a federal interest after closeout, as specified in PROP Articles I through IV.
- 3. Inventions developed under the award as specified in Section B of PROP Article VI.
- 4. Retention of, and access to, records related to this award, as specified in OAR Article II.



Part 6: Subawards (articles from this part are designated with "SUB" in the article title)

SUB Article I. Distinguishing subawards and procurements. (SEPTEMBER 2017)

Section A. Required recipient determination. For each transaction into which you enter with another entity at the next tier below this award, you must determine whether the transaction is a subaward or procurement transaction.

Section B. Considerations in making the determination.

- 1. The primary purpose of the transaction between you and the other entity is the key factor you must use to determine whether the transaction is a subaward or procurement transaction.
 - a. The transaction is a subaward and the other entity, therefore, a subrecipient if the transaction's primary purpose is for you to transfer—for performance by the other entity—a portion of the substantive project or program for which we are providing financial assistance to you through this award. You will continue to be accountable to us for performance of the project or program under the award, including portions performed by any subrecipients.
 - b. The transaction is a procurement transaction and the other entity therefore a contractor if the transaction's primary purpose is for you to purchase goods or services that you need to perform the substantive project or program supported by this award. The distinction from a subaward is the contractor is not performing a portion of the substantive project or program as a result of the transaction.
- 2. What you call the transaction is not a factor in distinguishing a subaward from a procurement transaction. If the transaction meets the criterion in paragraph B.1.a of this article, it is a subaward for purposes of the requirements of this award even if you call and consider the transaction a "contract."

Section C. Effect of the determination on the next-tier transaction.

- 1. **Process for awarding the transaction**. One important consequence of your determining whether a next-tier transaction is a subaward, or procurement is that there are different requirements governing the pre-award and time of award processes that you use to award the transaction.
 - a. SUB Article II of this award specifies pre-award and time of award responsibilities for subawards.
 - b. PROC Articles I and II of this award govern pre-award and time of award processes for awarding procurement transactions.
- 2. **Transaction terms and conditions**. A second important consequence of your determining whether a next-tier transaction is a subaward or procurement transaction is that the terms and conditions you



include in a subaward differ from those you include in a procurement transaction.

- a. Section C of SUB Article II of this award addresses requirements you must include in subaward terms and conditions. Those requirements are generally either identical or directly related to requirements in the general terms and conditions of this award. They include national policy requirements, as well as administrative requirements in areas such as financial and programmatic management, property administration, procurement, and reporting.
- b. PROC Article III of this award lists requirements you must include in a procurement transaction when applicable.

SUB Article II. Pre-award and time of award responsibilities. (SEPTEMBER 2023)

Section A. Requirements for unique entity identifiers.

- 1. **Definition of "entity."** For purposes of the unique entity identifier requirements in paragraphs A.2 and 3 of this section, *entity* has the meaning given in paragraph C.3 of appendix A to OMB guidance in 2 CFR part 25.
- Pre-notification of potential subrecipients. You must notify potential subrecipients that no entity
 may receive a subaward from you under this award unless it has provided its unique entity identifier
 to you.

3. Restriction on making subawards.

- a. General. You may not make a subaward to an entity unless the entity has provided its unique entity identifier to you, as required in 2 CFR part 25.300. Subrecipients are not required to obtain an active SAM registration but must obtain a Unique Entity Identifier.
- b. Exception. You may make a subaward to an entity that has not provided its unique entity identifier to you in rare cases in which you requested, and we approved an exemption from the requirement for the entity to provide a unique entity identifier, based on the criteria in OMB guidance in 2 CFR part 25.110(c).

Section B. Pre-award risk assessment.

- 1. Before making a subaward to an entity, you must perform a risk assessment of the prospective subrecipient, as described in 2 CFR 200.332(b). OMB guidance in 2 CFR 200.206(b) provides examples of factors you may consider in evaluating risk.
- 2. As part of the risk assessment under paragraph B.1 of this article, you must:
 - a. Verify that neither the prospective subrecipient nor its principals under the proposed subaward are



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- excluded or disqualified from participating in the transaction, in accordance with requirements in Subpart C of OMB guidance in 2 CFR part 180, as implemented by DoD at 2 CFR part 1125; and
- b. If warranted by risks you identify, determine whether to impose award-specific terms and conditions in the subaward to mitigate the risks.
 - These award-specific terms and conditions may be in addition to, or differ from, the terms and conditions that SUB Articles IV through IX of this award require you to include in subawards.
 - ii. They may include items such as those listed in OMB guidance in 2 CFR 200.208(c)(1) through (6).
 - iii. Your procedures for imposing and removing the additional or different requirements must comply with the procedural guidance in 2 CFR 200.208(d) and (e).

Section C. Subaward content.

1. Cost-type subawards.

- a. SUB Article III of this award specifies informational content that you must include in each cost type subaward.
- b. SUB Articles IV through VIII specify administrative requirements that you must include:
 - i. As applicable, in each cost-type subaward to:
 - (A) A domestic entity (i.e., an entity other than a foreign public entity or a foreign organization); or
 - (B) An organizational unit of a foreign organization if that unit has a place of business in the United States; and
 - ii. To the maximum extent practicable in each cost-type subaward to either a foreign public entity or an organizational unit of a foreign organization that does not have a place of business in the United States (regardless of whether another organizational unit of that foreign organization has one). However, absent Grants Officer prior approval, you may not allow that foreign entity or organization to acquire real property or equipment under a subaward.
- c. SUB Article IX of this award specifies national policy requirements that you must include, as applicable, in each cost-type subaward.



- d. SUB Article XI of this award specifies requirements that you must include in any subaward under which you determine that the subrecipient may make lower-tier subawards to other entities.
- 2. **Fixed-amount type subawards**. SUB Article XII of this award specifies informational content and administrative and national policy requirements that you must include in any fixed amount subaward that you make.
- 3. Additional subaward terms and conditions. You may include other requirements in your subawards that you need in order to meet your responsibilities under this award for performance of the project or program (including portions performed by subrecipients) and compliance with applicable administrative and national policy requirements.

Section D. Subaward and executive compensation reporting. You must report subaward obligating actions and information on subrecipients' executive compensation as required by REP Article IV of this award.

SUB Article III. Informational content of subawards. (SEPTEMBER 2023)

Section A. Informational content in general. You must include in each subaward (and each subsequent modification to a subaward that alters the amount of the subaward) the information specified in OMB guidance in 2 CFR 200.332(a)(1), "Federal Award Identification," with the clarifications provided in Sections B through G of this article.

Section B. Federal award identification number and award date. The "Federal Award Identification Number" and "Federal Award Date" described in 2 CFR 200.332(a)(1)(iii) and (iv), respectively, are the award number and award date for this award to you. You must provide the information in a way that makes it clear that the subaward is under this DoD award.

Section C. Amount of Federal funds obligated.

- 1. The "Amount of Federal Funds Obligated by this action by the pass-through entity to the subrecipient" that is described in 2 CFR 200.332(a)(1)(vii) is either:
 - a. The amount of your obligation to the subrecipient, if the terms and conditions of this award do not require you to provide any cost sharing or matching for the project or program the award supports; or
 - b. The amount of the Federal share of your subaward obligation if this award does require cost sharing or matching, which in that case is the product of:
 - i. The Federal share of total project costs under this DoD award to you, as a percentage of those total project costs; and



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- ii. The total amount of project costs obligated for the subaward action.
- 2. Note that the total project costs of the award and subaward, as used in paragraphs C.1.b.i and ii of this section, include any cost sharing or matching that you or the subrecipient provides to meet any cost sharing or matching requirement under this award.

Section D. Total amount obligated to the subrecipient. The "Total Amount of Federal Funds Obligated to the Subrecipient by the pass-through entity including the current obligation," as described in 2 CFR 200.332(a)(1)(viii), is the cumulative amount to date of the amounts described in Section C of this article.

Section E. Total Amount of the Federal Award. The "Total Amount of the Federal Award committed to the subrecipient by the pass-through entity," as described in 2 CFR 200.332(a)(1)(ix), is the total amount through the end of the subaward that you and the subrecipient mutually agreed upon, to include: funding obligated to date, any future anticipated funding increments, and any options you may exercise in the future.

Section F. Federal awarding agency, pass-through entity, and awarding official. The "Name of Federal awarding agency" and "pass-through entity," as those terms are used in 2 CFR 200.332(a)(1)(xi) are the DoD and the business name associated with your registration in the System for Award Management. In that same paragraph of 2 CFR part 200, the "awarding official" is the individual in your organization who made the subaward.

Section G. Indirect cost rate. With respect to the requirement in 2 CFR 200.332(a)(1)(xiv) for the subaward to include the "Indirect cost rate for the Federal award:"

- 1. The rate the subaward must include is the subrecipient's rate, whether it is a rate set by negotiation with a Federal Government agency or you or is the de minimis rate described in 2 CFR 200.414(f).
- 2. You are required to include the indirect cost rate only if the subrecipient is willing to share that information with you and assents that information about its rate is not proprietary. If a subrecipient is not willing to share information about its indirect cost rate with you, consult the grants officer for this award to explore alternative ways to assess the reasonableness of costs of the subaward.

SUB Article IV. Financial and program management requirements for subawards. (SEPTEMBER 2023)

Section A. Purposes of this article in relation to other articles.

- 1. This article specifies administrative requirements concerning financial and program management that you must include in the terms and conditions of each cost-type subaward that you make under this award to a domestic entity.
- 2. It thereby addresses the flow down to subrecipients of requirements with which you must comply



under FMS Articles I through VII of this award.

3. SUB Article XII of this award addresses which of these administrative requirements you must include in any fixed-amount subaward that you make, if you are authorized to make fixed-amount subawards under this award.

Section B. Financial management system standards. You must include in any subaward you make under this award the requirements of:

- 1. Sections A through C of FMS Article I of this award if the subrecipient is a State;
- 2. Sections B and C of FMS Article I if the subrecipient is an institution of higher education, nonprofit organization, local government, Indian tribe or for-profit entity.

Section C. Payments.

- 1. **Subawards to States**. You must include the provisions of Section A of FMS Article II of this award in each subaward you make to a State;
- 2. Subawards to institutions of higher education, nonprofit organizations, local governments, Indian tribes, and for-profit entities. The following paragraphs specify requirements you must include in subawards to institutions of higher education, nonprofit organizations, local governments, Indian tribes, and for-profit entities.

a. Payment method.

- i. If you are authorized to request advance payments under this award, you must authorize a subrecipient to request advance payments unless:
 - (A) The subrecipient does not maintain, or demonstrate the willingness to maintain, written procedures that minimize the time elapsing between its receipt of each payment and its disbursement of the funds for project or program purposes;
 - (B) You impose a requirement for the subrecipient to be paid by reimbursement as a result of your risk evaluation of the subrecipient under SUB Article II of this award;
 - (C) The subaward is for construction; or
 - (D) The subrecipient requests reimbursement of funds after it disburses them for project or program purposes.
- ii. If you do not authorize advance payments for one of the reasons given in paragraph C.2.a.i of this article, you must specify either reimbursement or working capital advances as the



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payment method in accordance with OMB guidance in 2 CFR 200.305(b)(3) and (4).

b. Payment timing and amount.

- i. Advances. You must limit advance payments to the minimum amounts needed and time the payments to be in accordance with the subrecipient's actual, immediate cash requirements in carrying out the project or program under the subaward. The timing and amount of your advance payments to the subrecipient must be as close as is administratively feasible to the subrecipient's actual disbursements for direct project costs and the proportionate share of any allowable indirect costs. Your subawards also must include the requirements of paragraphs B.2.b and c of FMS Article II to specify costs subrecipients must exclude from amounts of their advance payment requests.
- ii. **Reimbursements or working capital advances**. You must follow OMB guidance in 2 CFR 200.305(b)(3) and (4) concerning timing and amount of reimbursements or working capital advances.
- c. **Frequency of requests**. You must allow the subrecipient to request advance payments or reimbursements, including those associated with the working capital advance payment method, as often as it wishes if you pay using electronic funds transfers and at least monthly otherwise.

d. Other requirements.

- i. In any subaward that was subject to our consent, you must include the requirements of paragraph B.5 of FMS Article II of this award concerning withholding of payments.
- ii. You must include the provisions of paragraph B.6 of FMS Article II concerning depositories in each subaward that authorizes the subrecipient to request advance payments.

Section D. Allowable costs, period of availability of funds, and fee and profit.

- 1. You must include in each subaward a requirement that the allowability of costs under the subaward (and any lower-tier subawards or procurement transactions into which the subrecipient enters) must be determined in accordance with the applicable cost principles identified in Section A of FMS Article III of this award.
- 2. You must specify in each subaward the period of availability of funds for any project or program purpose so that the period neither begins before nor ends after the period during which you may use funds available to you under this award for that same project or program purpose.
- 3. You must include in each subaward the provisions concerning fee or profit that are in Section D of FMS Article III of this award.

Section E. Revision of budget and program plans. You must include in each subaward provisions



66 2024-10-01 SUB00004597 Page 150 of 182 requiring the subrecipient to request your approval for any change in the subaward budget or program that would cause a budget or program change under this award for which Section B of FMS Article IV requires you to first obtain Grants Officer prior approval. You may not approve any budget or program revision that is inconsistent with the purpose or terms and conditions of this award.

Section F. Non-Federal audits. You must include a provision in each subaward that you make under this award to require the subrecipient entity to comply with the audit requirements applicable to that entity, as specified in either Section A or Section B of FMS Article V.

Section G. Cost sharing or matching requirements. If you make a subaward under which the subrecipient may provide contributions or donations of cash or third-party in-kind contributions to be counted toward any cost sharing or matching that is required under this award, you must include provisions in that subaward to specify:

- 1. The criteria governing the allowability as cost sharing or matching of the types of cash or third-party in-kind contributions that the subrecipient may contribute or donate. Those criteria are specified in Sections B through D of FMS Article VI of this award if the subaward is to a State, institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity.
- 2. The methods for determining and documenting the values of those contributions or donations to be counted as cost sharing or matching. Those methods are specified in Sections E and F of FMS Article VI of this award if the subaward is to a State, institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity.

Section H. Program income. You must include requirements concerning program income in subawards, as follows:

- 1. In each subaward to a State, institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity:
 - a. You must require the subrecipient to account to you when it earns any program income under the subaward or uses it, so that you can prepare reports you are required to submit to us. If the award-specific terms and conditions of this award require you to account for program income earned after the period of performance, you must include a corresponding requirement in your subawards.
 - b. You must include the provisions of Sections A through D of FMS Article VII of this award.
 - c. You may specify the deduction, addition, or cost sharing or matching alternative or a combination of those alternatives, for the subrecipient's use of any program income it earns. However, you still must comply with the alternative specified in Section E of FMS Article VII and any applicable award-specific terms and conditions for the total amount of program income earned, which includes amounts earned by you and your subrecipients. For example, if we require you to use the deduction alternative, you may authorize a subrecipient to use the addition alternative if you reduce the funding allocated for portions of the project or program that you or other subrecipients



perform to make the required reduction in the total award amount.

SUB Article V. Property requirements for subawards. (SEPTEMBER 2023)

Section A. Purposes of this article in relation to other articles.

- 1. This article specifies administrative requirements concerning property that you must include in the terms and conditions of each cost-type subaward that you make under this award.
- 2. It thereby addresses the flow down to subrecipients of requirements with which you must comply under PROP Articles I through VI of this award.
- 3. SUB Article XII of this award addresses which of these administrative requirements you must include in any fixed-amount subaward that you make, if you are authorized to make fixed-amount subawards under this award.

Section B. Title to property.

- 1. Subawards to institutions of higher education, nonprofit organizations, States, local governments, or Indian tribes.
 - a. General. You must include terms and conditions in each subaward to flow down to the subrecipient the provisions of:
 - i. Paragraph A.1 of PROP Article I concerning vesting of title to property acquired under the subaward unless paragraph B.1.b of this section provides otherwise.
 - ii. Sections B through E of PROP Article I that are applicable to types of property that the subrecipient may acquire, improve, donate, or for which it may otherwise be accountable under the subaward.
 - b. Exceptions. RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.

2. Subawards to for-profit entities.

- a. Real property and equipment. You must obtain the prior approval of the grants officer before permitting any for-profit subrecipient to acquire or improve real property or equipment under the award.
 - i. If the grants officer does not grant the approval, you must include a subaward provision that prohibits the subrecipient from acquiring or improving real property or equipment under the subaward.



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- ii. If the approval is granted, you must include a subaward provision specifying that title vesting and Federal interest are governed by provisions of 32 CFR 34.21(b) and (c).
- b. Supplies. You must include a subaward provision specifying that vesting of title to supplies is governed by provisions of 32 CFR 34.24 (a), subject to the use and disposition requirements of 32 CFR 34.24 (b).
- c. Federally owned property. You must include a provision in any subaward to a for-profit entity under which the subrecipient may be accountable for federally owned property, to state that title to such property will remain vested in the Federal Government.

Section C. Property management system. If you make a subaward under which the subrecipient either may acquire or improve equipment or real property, or may be accountable for federally owned property, you must include in the subaward:

- 1. If the subrecipient is a State, applicable provisions of:
 - a. Section A of PROP Article II concerning insurance for real property and equipment.
 - b. Section B of PROP Article II concerning other property management system standards.
- 2. If the subrecipient is an institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity, applicable provisions of:
 - a. Section A of PROP Article II concerning insurance for real property and equipment.
 - b. Section C of PROP Article II concerning other property management system standards.

Section D. Use and disposition of real property. If you make a subaward under which the subrecipient may acquire or improve real property, then you must include in the subaward:

- 1. **Use**. The requirements concerning use of real property in Section A of PROP Article III if the subaward is to an institution of higher education, nonprofit organization, State, local government, Indian tribe, or for-profit entity, unless the award-specific terms and conditions of this award provide otherwise; and
- 2. **Disposition.** Provisions to require the subrecipient to request disposition instructions through you when the property is no longer needed for its originally authorized purpose, so that you can meet your responsibilities to us under Section B of PROP Article III to address the Federal interest in the property.

Section E. Use and disposition of equipment and supplies. If you make a subaward under which the subrecipient may acquire or improve equipment, or acquire supplies, you must include in the subaward, as



applicable:

- 1. If the subaward is to a State:
 - a. The requirements in Sections B and E of PROP Article IV concerning use and disposition of equipment and supplies; and
 - b. Provisions such as those in Section A of PROP Article IV that make clear the applicability of those requirements.
- 2. If the subaward is to an institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity:
 - a. The requirements in Sections C and E of PROP Article IV concerning use of equipment and use and disposition of supplies;
 - b. Provisions such as those in Section A of PROP Article IV that make clear the applicability of those requirements; and
 - c. Provisions to require the subrecipient to request disposition instructions from you when equipment is no longer needed for its originally authorized purpose, so that you can meet your responsibilities to us under Section D of PROP Article IV to address the Federal interest in the equipment.

Section F. Use and disposition of federally owned property. If you make a subaward under which the subrecipient may be accountable for federally owned property, you must include subaward provisions specifying that the subrecipient:

- 1. May use the property as specified in paragraph A.1 of PROP Article V;
- 2. Must submit requests through you for the award administration office's approval to use the property for other purposes, as described in paragraph A.2 of PROP Article V;
- 3. Must request the award administration office's disposition instructions through you when the property is no longer needed for subaward purposes or the subaward ends.

Section G. Intangible property. You must include in a subaward provisions specifying the requirements of:

- 1. Sections A through D of PROP Article VI if the subaward is to an institution of higher education, nonprofit organization, State, local government, Indian tribe, or for-profit entity.
- 2. Section A of PROP Article VI as it applies to works developed under the subaward, Section B of



PROP Article VI, paragraph C.1 of Section C of PROP Article VI, and Section D of PROP Article VI, if the subaward is to a for-profit entity.

SUB Article VI. Procurement procedures to include in subawards. (SEPTEMBER 2023)

Section A. Purposes of this article in relation to other articles.

- 1. This article specifies administrative requirements concerning procurement procedures that you must include in the terms and conditions of each cost-type subaward that you make under this award.
- 2. It thereby addresses the flow down to subrecipients of requirements with which you must comply under PROC Articles I through III of this award.
- 3. SUB Article XII of this award addresses which of these administrative requirements you must include in any fixed-amount subaward that you make, if you are authorized to make fixed-amount subawards under this award.

Section B. Subaward to a State. In any subaward that you make to a State, you must include the requirements of PROC Article I and applicable sections of PROC Article III of this award.

Section C. Subaward to an institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity. In any subaward that you make to an institution of higher education, nonprofit organization, local government, Indian tribe, or for-profit entity:

- 1. You must include the requirements of Sections A through G of PROC Article II and applicable sections of PROC Article III of this award.
- 2. You must include the requirement for the subrecipient to make available to you, upon request:
 - a. Technical specifications of proposed procurement transactions, under the conditions described in OMB guidance at 2 CFR 200.325(a); and
 - b. Other procurement documents for pre-procurement review, under the conditions described in OMB guidance at 2 CFR 200.325(b).
- 3. If it is possible that, under a subaward you make, the subrecipient may award a construction or facility improvement contract with a value in excess of the simplified acquisition threshold, you must include provisions in the subaward to require the subrecipient to comply with at least the minimum requirements for bidders' bid guarantees and contractors' performance and payment bonds described in 2 CFR 200.326(a) through (c), unless you determine that the subrecipient's bonding policy and requirements are adequate to protect Federal interests.



SUB Article VII. Financial, programmatic, and property reporting requirements for subawards. (SEPTEMBER 2017)

Section A. Purposes of this article in relation to other articles.

- 1. This article specifies administrative requirements concerning reporting that you must include in the terms and conditions of each cost-type subaward that you make under this award.
- 2. It thereby addresses the flow down to subrecipients of requirements with which you must comply under REP Articles I through III of this award.
- 3. SUB Article XII of this award addresses which of these administrative requirements you must include in any fixed-amount subaward that you make, if you are authorized to make fixed-amount subawards under this award.

Section B. Performance reporting.

- 1. You must include terms and conditions in each subaward to require the subrecipient to provide any performance information you need, by the time you need it, to comply with the performance reporting requirements in REP Article I and other terms and conditions of this award.
- 2. You may specify a form, format, or data elements the subrecipient must use to provide the information to you (you need not require the subrecipient to use the same form, format, or data elements that REP Article I specifies for your reporting to us).

Section C. Financial reporting.

- 1. You must include terms and conditions in each subaward to require the subrecipient to provide any financial information you need, by the time you need it, to comply with the financial reporting requirements in REP Article II and other terms and conditions of this award.
- 2. You may specify a form, format, or data elements the subrecipient must use to provide the information to you (you need not require the subrecipient to use the same form, format, or data elements that REP Article II specifies for your reporting to us).

Section D. Reporting on property.

- 1. Each subaward you make under this award must include provisions concerning property reporting as described in paragraph D.2 of this section if the subrecipient may, under the subaward:
 - a. Acquire or improve real property or equipment;
 - b. Acquire supplies or intangible property; or



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- c. Be accountable for federally owned property.
- 2. The subaward provisions must require the subrecipient to give you the information you need about the property in order to meet your responsibilities to us under Sections A through D of REP Article III and PROP Articles II through VI.

SUB Article VIII. Other administrative requirements for subawards. (SEPTEMBER 2023)

Section A. Purposes of this article in relation to other articles.

- 1. This article specifies other administrative requirements that you either must or should include in the terms and conditions of each cost-type subaward that you make under this award.
- 2. It thereby addresses the flow down to subrecipients of requirements with which you must comply under OAR Articles I through VII of this award.
- 3. SUB Article XII of this award addresses which of these administrative requirements you must include in any fixed-amount subaward that you make, if you are authorized to make fixed-amount subawards under this award.

Section B. Submission and maintenance of subrecipient information. You must include the substance of the provision in Section C of OAR Article I in any subaward you make under this award. The provision must require the subrecipient's disclosure of any evidence directly to the Inspector General, DoD.

Section C. Records retention and access. In each subaward you make under this award:

- 1. If the subaward is to an institution of higher education, nonprofit organization, State, local government, Indian tribe, or for-profit entity:
 - a. You must include the requirements of Section A of OAR Article II with the additional condition that, for any subrecipient under this award that does not have a federally approved rate for indirect or facilities and administrative costs and that does not use the de minimis rate described in 2 CFR 200.414(f), you must:
 - i. Require the subrecipient to keep records that support its indirect or facilities and administrative costs charged to the subaward for 3 years from the end of the fiscal year (or other accounting period) to which the costs apply; and
 - ii. Keep any plan or computation the subrecipient submits to you to serve as a basis for your determining the reasonableness and allowability of indirect or facilities and administrative costs of the subaward, for 3 years from the end of the fiscal year (or other accounting period) to which the proposal, plan, or computation applies.



- b. You must include the requirements of Sections B, C, and F of OAR Article II.
- c. You must include provisions that enable you to comply with the requirements of Section D of OAR Article II concerning records for joint or long-term use.
- d. You must include provisions that establish the same rights and responsibilities for the subrecipient under the subaward that Section E of OAR Article II establishes for you under this award.
- e. You may not impose any other record retention or access requirements on the subrecipient.

Section D. Remedies and termination. The terms and conditions of each subaward you make under this award should specify your rights and responsibilities and those of the subrecipient if you take a remedial action to address a subrecipient's noncompliance with an applicable Federal statute or regulation or the terms and conditions of your subaward. Each subaward's terms and conditions should:

- 1. Identify remedial actions you may take to address the subrecipient's noncompliance. Available remedies are described in OMB guidance in 2 CFR 200.339 for a subaward to an institution of higher education, nonprofit organization, State, local government, Indian tribe, or for-profit entity.
- 2. With respect to termination specifically:
 - a. Identify conditions under which you, the subrecipient, or both (by mutual agreement) may terminate the subaward, in whole or in part, as described in OMB guidance in 2 CFR 200.340(a) for a subaward to an institution of higher education, nonprofit organization, State, local government, Indian tribe, or for-profit entity.
 - b. Inform the subrecipient that you will provide it with a notice of termination if you unilaterally terminate the award
 - c. Specify that you and the subrecipient remain responsible for applicable requirements addressed in Sections G and H of this article concerning closeout, post-closeout adjustments, and continuing responsibilities.
- 3. With respect to either suspension or termination of the subaward, inform the subrecipient about the criteria that you will use to either allow or disallow subaward costs, which are in Section D of OAR Article III for a subaward to an institution of higher education, nonprofit organization, State, local government, Indian tribe, or for-profit entity.

Section E. Disputes, hearings, and appeals. Each subaward's terms and conditions should specify any rights the subrecipient has to a hearing, appeal, or other administrative proceeding if it disputes a decision you render in administering its subaward. You must comply with any statute or regulation that affords the



subrecipient an opportunity for a hearing, appeal, or other administrative proceeding and is applicable to the dispute.

Section F. Collection of amounts due. Although your subaward terms and conditions do not need to include any of the requirements of OAR Article V because those requirements do not flow down to subrecipients, you should consider including provisions to specify what you would need from the subrecipient if you owed a debt to the Government under this award that is related to its subaward.

Section G. Closeout.

- 1. In each subaward that you make to an institution of higher education, nonprofit organization, State, local government, Indian tribe, or for-profit entity, you must include provisions to require the subrecipient to:
 - a. Liquidate all obligations that it incurred under the subaward not later than 90 calendar days after the end date of the period of performance of either the subaward or this award, whichever is earlier, unless you grant an extension.
 - b. Promptly refund to you any balances of unobligated cash that you advanced or paid to the subrecipient unless you received authorization from the award administration office for the subrecipient's use of those funds on other projects or programs.
 - c. Submit to you:
 - i. Any information you need from the subrecipient to meet your responsibilities to us for an accounting of property, under Section D of OAR Article VI; and
 - ii. Not later than 90 calendar days after the end date of the period of performance of this award, unless you grant the subrecipient an extension, any information you need to meet your responsibilities to us for final reports, under Section C of OAR Article VI.

Section H. Post-closeout adjustments and continuing responsibilities.

You must include provisions in each subaward to require the subrecipient to provide what you need in order to comply with the requirements of OAR Article VII.

SUB Article IX. National policy requirements for subawards. (September 2021)

Section A. General.

1. You must include provisions in the terms and conditions of each subaward you make to require the subrecipient entity's compliance with each of the national policy requirements in Sections B through E of this article that you determine is applicable, given the type of entity receiving the subaward and activities it will be carrying out under the subaward.



- 2. If an entity to which you are about to make a subaward will not accept an award provision requiring its compliance with a national policy requirement that you determine to be applicable, you must alert the award administration office immediately. You may not omit an applicable national policy requirement in order to make the subaward.
- 3. If at any time during the performance of a subaward, you learn that—or receive a credible allegation that—the subrecipient is not complying with an applicable national policy requirement, you must alert the award administration office immediately.

Section B. Nondiscrimination national policy requirements. You must include provisions in each subaward to require the subrecipient's compliance with the nondiscrimination national policy requirements specified in paragraphs A.1 through A.5 of NP Article I, as applicable.

Section C. Environmental national policy requirements. You must include provisions in each subaward to require that:

- 1. The subrecipient complies with all applicable Federal environmental laws and regulations, including those specified in paragraphs A.2, A.3, A.5, and A.6 of NP Article II, as applicable.
- 2. Provide any information you need, when you need it, in order to comply with the requirement to immediately notify us of potential environmental impacts specified in paragraphs A.4, A.5, and A.6 of NP Article II, as applicable, due to activities under the award (which includes subaward activities).

Section D. National policy requirements concerning live organisms. You must include provisions in each subaward to require the subrecipient's compliance with the national policy requirements concerning human subjects and animals that are specified in paragraphs A.1 and A.2 of NP Article III, as applicable.

Section E. Other national policy requirements. You must include provisions in each subaward to require the subrecipient's compliance with the national policy requirements in the following portions of NP Article IV of this award, as applicable:

- 1. Paragraph A.1.
- 2. Paragraphs A.3.a and b.
- 3. Paragraphs A.4 through A.20.
- 4. Paragraph B.1.



SUB Article X. Subrecipient monitoring and other post-award administration. (JANUARY 2021)

Section A. General requirement for subrecipient monitoring. You must do the post-award monitoring of the subrecipient's activities under each subaward that is needed in order for you to ensure that:

- 1. The subrecipient carries out the portion of the substantive project or program under this award for which the subaward was made.
- 2. The subrecipient is using project funds under the subaward (including any cost sharing or matching the subrecipient provides that is counted as project funds in the approved budget of this award) for authorized purposes.
- 3. The subrecipient's performance under the subaward is in compliance with applicable Federal statutes and regulations, and the terms and conditions of your subaward.

Section B. Subrecipient monitoring actions.

- 1. **Required monitoring actions**. You must, as part of your post-award monitoring of each subrecipient:
 - a. Review the financial and programmatic information that your subaward terms and conditions require the subrecipient to provide, in accordance with Sections B and C of SUB Article VII of this award.
 - b. Follow up and ensure that the subrecipient takes timely and appropriate action to remedy deficiencies detected through any means, including audits and on-site reviews.
 - c. With respect to audits of subrecipients that are required under FMS Article V of this award:
 - i. Verify that the subrecipient is audited in accordance with those requirements, as applicable (note that Section F of SUB Article IV requires you to include those audit requirements for the subrecipient in the subaward's terms and conditions).
 - ii. Resolve and issue a management decision for audit findings that pertain to your subaward. Doing so is a requirement under either Section A or B of FMS Article V of this award (Section B requires that explicitly and Section A does so by implementing OMB guidance in 2 CFR 200.521, as well as other portions of Subpart F of that part).
 - iii. Consider whether you need to adjust your own records related to this award based on results of audits, on-site reviews or other monitoring of the subrecipient and, as applicable, notify the award administration office.
- 2. Other monitoring actions. OMB guidance in 2 CFR 200.332(e)(1) through (3) describes other



actions that may be useful as part of your subrecipient monitoring program, depending on the outcomes of the pre-award risk assessment you conducted in accordance with Section B of SUB Article II.

Section C. Remedies and subaward suspension or termination. With respect to any subaward under this award, you must:

- 1. Consider whether you need to take any remedial action if you determine that the subrecipient is noncompliant with an applicable Federal statute or regulation or the terms and conditions of your subaward, as described in Section D of SUB Article VIII.
- 2. Provide a notice of termination to the subrecipient if you terminate its subaward unilaterally for any reason prior to the end of the period of performance.
- 3. In the case of either suspension or termination of a subaward prior to the end of the period of performance, allow or disallow subaward costs in accordance with Section D of OAR Article III.

Section D. Subaward closeout.

- 1. You will close out each subaward when you either:
 - a. Determine that the subrecipient has completed its programmatic performance under the subaward and all applicable administrative actions; or
 - b. Terminate the subaward, if you do so prior to completion of the subrecipient's programmatic performance.
- 2. With respect to the closeout of each subaward:
 - a. You must pay the subrecipient promptly for allowable and reimbursable costs.
 - b. Consistent with the terms and conditions of the subaward, you must make a settlement for any upward or downward adjustments to the Federal share of project costs after you receive the information you need from the subrecipient to close out the subaward.
 - c. You should complete the closeout of the subaward no later than one year after you receive and accept the final reports and other information from the subrecipient that you need to close out the subaward.

SUB Article XI. Requirements concerning subrecipients' lower tier subawards. (SEPTEMBER 2017)

Section A. Purpose. This article specifies requirements you must include in any cost-type subaward



under which you determine that the subrecipient may make lower-tier cost-type subawards to other entities.

Section B. Requirements for lower tier subawards. Your subaward terms and conditions must require your subrecipient, with respect to each lower-tier cost-type subaward that it makes to:

- 1. Ensure that the lower-tier transaction is a subaward, rather than a procurement transaction, by making the determination that SUB Article I of this award requires you to make.
- 2. Conduct the pre-award risk assessment of its intended subrecipient that Section B of SUB Article II of this award requires you to make for your subawards.
- 3. Include in any cost-type subaward it makes at the next tier:
 - a. The informational content that SUB Article III specifies;
 - b. The administrative requirements that SUB Articles IV through VIII of this award specify;
 - c. The national policy requirements that SUB Article IX of this award specifies, as applicable; and
 - d. The requirements of this article if the next-tier subrecipient may make even lower-tier cost-type subawards to other entities.
- 4. Carry out the subrecipient monitoring and other post-award administration responsibilities specified in SUB Article X.

SUB Article XII. Fixed amount subawards. (SEPTEMBER 2023)

Section A. Limitations on use.

- 1. You may not use a fixed amount subaward:
 - a. If the total value over the life of the subaward will exceed the simplified acquisition threshold.
 - b. Unless the project or program scope is specific, with definite outcomes, and you are able to establish a reasonable estimate of the actual costs of accomplishing those outcomes.
 - c. If you will predetermine a set amount or percentage of cost sharing or matching that the subrecipient must provide under the subaward.
 - d. If the subrecipient will acquire any real property or equipment under the subaward.



- 2. For fixed-amount subawards not prohibited by paragraph 1 of this section and except as provided in Section B of this article, you must obtain Grants Officer prior approval before making a fixed-amount type of subaward.
 - a. If Section B of FMS Article IV requires you to obtain Grants Officer prior approval before you make any subaward, and you do not identify the subaward as a fixed-amount subaward when you obtain that approval, then you must subsequently request separate approval before awarding it as a fixed-amount type of subaward.
 - b. If a subaward is identified as a fixed-amount type of subaward in the budget you submit for our approval, then our approval of the budget is the required prior approval.

Section B. Fixed-amount subawards that do not require prior approval to institutions of higher education, nonprofit organizations, for-profit organizations, States, local governments, or Indian tribes. You are not required to obtain Grants Officer prior approval before using a fixed-amount type of subaward if:

- 1. The subaward is to either:
 - a. A foreign public entity; or
 - b. An organizational unit of a foreign organization, if that unit does not have a place of business in the United States, regardless of whether another organizational unit of that foreign organization has one.
- 2. You determine that the portion of the project or program under this award which the subrecipient will be carrying out under the subaward has one or more specific outcomes with the following characteristics:
 - a. You can define the outcomes well enough to specify them at the time you make the subaward. Note that:
 - i. Outcomes are distinct from inputs needed to achieve the outcomes, such as amounts or percentages of time that subrecipient employees or other participants will spend on the project or program.
 - ii. The inherently unpredictable nature of basic or applied research makes it rarely, if ever, possible to define specific research outcomes in advance, which makes fixed-amount subawards inappropriate for research. Note that technical performance reports serve to document research outcomes but are not themselves outcomes, notwithstanding the definition of "performance goals" in OMB guidance at 2 CFR 200.1.
 - b. The accomplishment of each outcome will be observable and verifiable by you when it occurs, so



that you will not need to rely solely on the subrecipient's assurance of that accomplishment.

- c. The subrecipient associates its estimated costs with outcomes in the proposal it submits to you, and you are confident that the costs of accomplishment of the outcomes will equal or exceed the subaward amount. This requires either that you have a high degree of confidence:
 - In your estimate of the costs associated with accomplishing the well-defined and observable outcomes, based on the prospective subrecipient's proposal (and using the applicable cost principles in FMS Article III as a guide); or
 - ii. That those costs will be within a finite range, rather than a specific amount, so that you may provide an amount of funding under the subaward that does not exceed the lower end of the range, with the provision that the subrecipient agrees to provide any balance above that amount that ultimately is needed to accomplish the outcomes. Your subaward then would include a term or condition to reflect the subrecipient's agreement to provide that balance (which would be in an amount to be post-determined when the outcomes are accomplished). Note that this is distinct from a situation in which you predetermine a set amount or percentage of cost sharing or matching that the subrecipient must provide under its subaward, a situation in which paragraph A.1.c of this article prohibits use of a fixed amount subaward.
- d. The subaward is based on a fixed rate per unit of outcome (or "unit cost") and you have both the confidence:
 - i. That is described in paragraph B.2.c of this article in the estimated costs associated with each unit of outcome; and
 - ii. In the subrecipient's guarantee that it can accomplish at least the number of units of outcome on which your total subaward amount will be based (i.e., the product of the unit cost and the number of units of outcome the subrecipient guarantees to accomplish).
- e. Note, however, that not every fixed-rate subaward is also a fixed-amount subaward. If you have confidence in the unit cost but not also in the subrecipient's ability to guarantee the number of units of outcome that it will accomplish, then you should set a not-to-exceed award amount based on the number of units desired and reduce the subaward amount at the end if the subrecipient accomplishes fewer than that number. Examples of activities for which it may be appropriate to award this type of fixed-rate subaward that is not a fixed-amount subaward include:
 - i. A clinical trial for which the unit cost is the cost of treating each participant. The not-to exceed amount would be based on the number of participants the subrecipient planned to recruit and the final award on the number who actually participated, documentation for which would be subject to audit.
 - ii. Labor costs for performance of a portion of the project or program under this award by an organization or entity that treats its indirect cost rate as proprietary information. The unit cost



in that case may be "loaded" labor rates for the organization's or entity's employees that include indirect costs. The final award amount would depend on the number of labor hours the organization's or entity's employees expended under the subaward, documentation for which may be audited without exposing proprietary details associated with the actual costs.

3. Subawards to for-profit entities.

- a. **Real property and equipment**. You must obtain the prior approval of the grants officer before permitting any for-profit subrecipient to acquire or improve real property or equipment under the award.
 - i. If the grants officer does not grant the approval, you must include a subaward provision that prohibits the subrecipient from acquiring or improving real property or equipment under the subaward.
 - ii. If the approval is granted, you must include a subaward provision specifying that title vesting and Federal interest are governed by provisions of 32 CFR 34.21(b) and (c).
- b. **Supplies.** You must include a subaward provision specifying that vesting of title to supplies is governed by provisions of 32 CFR 34.24 (a), subject to the use and disposition requirements of 32 CFR 34.24 (b).
- c. **Federally owned property.** You must include a provision in any subaward to a for-profit entity under which the subrecipient may be accountable for federally owned property, to state that title to such property will remain vested in the Federal Government.

Section C. Informational content of fixed amount subawards. You must include in each fixed amount subaward the informational content, other than the indirect cost rate, that is described in SUB Article III of this award.

Section D. Terms and conditions addressing administrative requirements.

1. **General.** This section:

- a. Specifies the minimum set of terms and conditions (in lieu of the more extensive set specified in SUB Articles IV through X for cost-type subawards) addressing administrative requirements that you must include in each fixed-amount subaward:
 - i. To an entity other than a foreign organization, as applicable; and
 - ii. To the maximum extent practicable, to a foreign organization.
- b. Does not preclude the inclusion of other requirements that you need in order to meet your responsibilities under this award for performance of the project or program and compliance with



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applicable administrative requirements.

2. Financial and program management requirements.

- a. **Financial management system standards**. For a subaward to other than a for-profit entity, your subaward must require the subrecipient to include the information specified in paragraph B.1 of FMS Article I in its financial management system, for the purposes of the non-Federal audits required by paragraph 2.d of this section.
- b. Payments. Your payments must be based on accomplishment of the outcomes and associated costs that you used to establish the subaward amount, rather than on subrecipient expenditures for project or program purposes. Milestone payments before the end of the subaward's period of performance may be appropriate if there are outcomes that the subrecipient will accomplish at different times during that period.
- c. **Revision of budget and program plans**. If Grants Officer prior approval was required under paragraph A.2 of this article for use of a fixed-amount type of subaward, then you must:
 - i. Request Grants Officer prior approval for any change in principal investigator, project leader, project partner, or scope or objective of the subaward; and
 - ii. Therefore, include a requirement in the subaward for the subrecipient to request that approval through you.
- d. **Non-federal audits**. You must include the requirement for non-Federal audits described in Section F of SUB Article IV. The audits are intended to focus on compliance with the performance requirements in the subaward terms and conditions and not to review actual costs as they would for a cost-type subaward.
- e. **Certification of completion**. You must include the requirement for the subrecipient to provide you with a certification at the end of the project as specified in 2 CFR 200.201(b)(3).

3. Property requirements.

- a. **Federally owned property**. If the subrecipient will be accountable for federally owned property, you must include the property management system, use, and disposition requirements described in Sections C and F of SUB Article V that are applicable to federally owned property.
- b. **Intangible property**. You must include the applicable intangible property requirements described in Section G of SUB Article V.
- 4. **Reporting requirements**. You must include requirements for reporting that you need in order to meet your responsibilities under this award for reporting to us.



5. Other administrative requirements.

a. **Integrity-related information.** You must include the substance of the provision in Section C of OAR Article I in any subaward you make under this award. The provision must require the subrecipient's disclosure of any evidence directly to the Inspector General, DoD.

b. Records retention and access.

i. You must include the requirements for records retention and access in paragraph A.3 and Sections B and F of OAR Article II, as applicable, if the subaward is to an institution of higher education, nonprofit organization, State, local government, Indian tribe, or for-profit entity. You may not impose any other records retention or access requirements on the subrecipient.

c. Remedies and termination. You must include:

- i. The requirements concerning remedies and termination that are described in paragraphs D.1 and 2 of SUB Article VIII;
- ii. Provisions addressing any hearing and appeal rights the subrecipient has, as described in Section E of SUB Article VIII; and
- iii. Terms and conditions addressing adjustment of the amount of the subaward if it is terminated before the subrecipient accomplishes all of the specified outcomes.
- d. **Continuing responsibilities**. You must include requirements concerning continuing responsibilities for audits and records retention and access that are described in paragraphs B.1 and 3 of OAR Article VII.
- e. **Collection of amounts due**. You should consider including requirements concerning collection of amounts due, as described in Section F of SUB Article VIII.

Section E. National policy requirements for fixed amount subawards. You must include in the terms and conditions of each fixed-amount subaward the national policy requirements that SUB Article IX of this award specifies, as applicable.

Section F. Subrecipient monitoring and other post-award administration. You must carry out the subrecipient monitoring and post-award administration actions specified in SUB Article X, as applicable.



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Section G. Fixed-amount subawards at lower tiers.

1. Authority.

- a. If Section B of this article authorizes you to use a fixed-amount type of subaward without Grants Officer prior approval in some situations, a cost-type subaward that you make may authorize the subrecipient to use fixed-amount subawards at the next lower tier in those same situations without Grants Officer prior approval.
- b. If you wish to allow a subrecipient of a cost-type subaward to use fixed-amount subawards at the next tier in other situations (i.e., situations in which this article requires you to obtain Grants Officer prior approval before using a fixed-amount type of subaward), your subaward terms and conditions must require the subrecipient to submit a request through you to obtain Grants Officer prior approval for use of that type of subaward.
- Subaward requirements. If your subrecipient is authorized to use lower-tier fixed-amount subawards, as described in paragraphs 1.a and b of this section, your subaward's terms and conditions must:
 - a. Require the subrecipient, before it makes any lower-tier fixed-amount subaward, to:
 - i. Ensure that the lower-tier transaction is a subaward, rather than a procurement transaction, by making the determination that SUB Article I of this award requires you to make.
 - ii. Conduct the pre-award risk assessment of its intended subrecipient that Section B of SUB Article II of this award requires you to make for your subawards.
 - b. Include the requirements specified in Sections A through F of this article.



Part 7: National Policy Requirements (articles from this part are designated with "NP" in the article title)

NP Article I. Nondiscrimination national policy requirements. (SEPTEMBER 2017)

Section A. Cross-cutting nondiscrimination requirements. By signing this award or accepting funds under this award, you assure that you will comply with applicable provisions of the national policies prohibiting discrimination:

- 1. On the basis of race, color, or national origin, in Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.), as implemented by Department of Defense (DoD) regulations at 32 CFR part 195.
- 2. On the basis of gender, blindness, or visual impairment, in Title IX of the Education Amendments of 1972 (20 U.S.C. 1681 et seq.), as implemented by DoD regulations at 32 CFR part 196.
- 3. On the basis of age, in the Age Discrimination Act of 1975 (42 U.S.C. 6101 et seq.), as implemented by Department of Health and Human Services regulations at 45 CFR part 90.
- 4. On the basis of disability, in the Rehabilitation Act of 1973 (29 U.S.C. 794), as implemented by Department of Justice regulations at 28 CFR part 41 and DoD regulations at 32 CFR part 56.
- 5. On the basis of disability in the Architectural Barriers Act of 1968 (42 U.S.C. 4151 et seq.) related to physically handicapped persons' ready access to, and use of, buildings and facilities for which Federal funds are used in design, construction, or alteration.

Section B. Other nondiscrimination requirements. RESERVED – Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.

NP Article II. Environmental national policy requirements. (JANUARY 2021)

Section A. Cross-cutting environmental requirements. You must:

- 1. You must comply with all applicable Federal environmental laws and regulations. The laws and regulations identified in this section are not intended to be a complete list.
- 2. Comply with applicable provisions of the Clean Air Act (42 U.S.C. 7401, et seq.) and Clean Water Act (33 U.S.C. 1251, et seq.).
- 3. Comply with applicable provisions of the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4821-4846), as implemented by the Department of Housing and Urban Development at 24 CFR part 35. The requirements concern lead-based paint in buildings owned by the Federal Government or housing receiving Federal assistance.
- 4. Immediately identify to us, as the Federal awarding agency, any potential impact that you find this



award may have on:

- a. The quality of the "human environment", as defined in 40 CFR 1508.14, including wetlands; and provide any help we may need to comply with the National Environmental Policy Act (NEPA, at 42 U.S.C. 4321 et seq.), the regulations at 40 CFR 1500-1508, and Executive Order 12114, if applicable; and assist us to prepare Environmental Impact Statements or other environmental documentation. In such cases, you may take no action that will have an environmental impact (e.g., physical disturbance of a site such as breaking of ground) or limit the choice of reasonable alternatives to the proposed action until we provide written notification of Federal compliance with NEPA or Executive Order 12114.
- b. Flood-prone areas and provide any help we may need to comply with the National Flood Insurance Act of 1968, as amended by the Flood Disaster Protection Act of 1973 (42 U.S.C. 4001 et seq.), which require flood insurance, when available, for federally assisted construction or acquisition in flood-prone areas.
- c. A land or water use or natural resource of a coastal zone that is part of a federally approved State coastal zone management plan and provide any help we may need to comply with the Coastal Zone Management Act of 1972 (16 U.S.C. 1451, et seq.) including preparation of a Federal agency Coastal Consistency Determination.
- d. Coastal barriers along the Atlantic and Gulf coasts and Great Lakes' shores and provide help we may need to comply with the Coastal Barrier Resources Act (16 U.S.C. 3501 et seq.), concerning preservation of barrier resources.
- e. Any existing or proposed component of the National Wild and Scenic Rivers system and provide any help we may need to comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. 1271 et seq.).
- f. Underground sources of drinking water in areas that have an aquifer that is the sole or principal drinking water source and in wellhead protection areas and provide any help we may need to comply with the Safe Drinking Water Act (42 U.S.C. 300f et seq.).
- 5. You must comply fully with the Endangered Species Act of 1973, as amended (ESA, at 16 U.S.C. 1531 et seq.) and implementing regulations of the Departments of the Interior (50 CFR parts 10-24) and Commerce (50 CFR parts 217-227). You also must provide any help we may need in complying with the consultation requirements of ESA section 7 (16 U.S.C. 1536) applicable to Federal agencies or any regulatory authorization we may need resulting from performance under this award. This is not in lieu of responsibilities you have to comply with provisions of the Act that apply directly to you as a U.S. entity, independent of receiving this award.
- 6. You must fully comply with the Marine Mammal Protection Act of 1972, as amended (MMPA, at 16 U.S.C. 1361 et seq.) and provide any assistance we may need in obtaining any required MMPA permit resulting from performance under this award.



Section B. Other environmental requirements. RESERVED - Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.

NP Article III. National policy requirements concerning live organisms. (JANUARY 2021)

Section A. Cross-cutting requirements concerning live organisms.

- 1. Human subjects.
 - a. Institutions receiving DoD funds must protect the rights and welfare of individuals who participate as human subjects in research under this award, complying with the requirements at 32 CFR part 219, DoD Instruction (DoDI) 3216.02, and when applicable, Food and Drug Administration (FDA) regulations.
 - b. Award recipients, to include sub-recipients, must not commence DoD-supported human subject research (HSR), as defined in DoDI 3216.02, to include research with human data and biological specimens, until a DoD Human Research Protection Official (HRPO) issues formal approval.
 - c. The HRPO reviews documentation of planned HSR under the award for compliance with applicable regulations and policies. Recipient institutions must provide sufficient documentation to enable the HRPO assessment as follows:
 - i. For research that is exempt or does not involve human subjects, the protocol documents and institutional determination that the research is not HSR, or exempt HSR.
 - ii. For non-exempt research involving human subjects, the institution must provide:
 - (A) Current Assurance of Compliance (i.e., Department of Health and Human Services' Office for Human Research Protections Federal-wide Assurance (FWA)) for all engaged institutions;
 - (B) Current Institutional Review Board (IRB) registration number(s).
 - (C) Documentation that the DoD-supported HSR has been reviewed and approved by an IRB, including scientific merit.
 - (D) Documentation of investigators' human research protection training.
 - (E) IRB-approved protocol documents.
 - d. The HRPO retains final judgment on what activities constitute HSR, whether an exempt category applies, whether the risk determination is appropriate, and whether the planned HSR activities comply with the requirements in paragraph 1.a of this section.
 - e. Recipients must notify the HRPO promptly of the following:



- i. IRB-approved changes to HSR that involve changes to key investigators or institutions; substantive changes to the IRB's risk-benefit assessment of the protocol; addition of vulnerable populations or DoD- affiliated personnel as subjects;
- ii. Transfer of HSR oversight to a different IRB;
- iii. Notification by any federal body, State agency, official governing body of a Native American or Alaskan native tribe, other entity, or foreign government that the non-DoD institution's DoD-supported HSR is under investigation;
- iv. When the institution is notified by any Federal department or agency or national organization that any part of its human research protection program is under investigation for cause involving a DoD-supported research protocol;
- v. Any problems involving risks to subjects or others, suspension or termination of IRB approval, or any serious or continuing noncompliance pertaining to DoD-supported HSR;
- vi. The results of the IRB's continuing review, if required;
- vii. A DoD-supported study's closure;
- viii. Change in status when a previously enrolled human subject becomes a prisoner, and the protocol was not reviewed and approved by the IRB in accordance with Subpart C, Subpart 46 of Title 45, CFR and DoDI 3216.02.
- f. Recipients must make records that document compliance or noncompliance with requirements in paragraph 1.a accessible for inspection and copying, as determined by DoD human research protection personnel, by authorized DoD representatives.
- g. DoD representatives may independently review and inspect research and research procedures involving human subjects and based on such findings, DoD may prohibit research that presents unacceptable hazards or otherwise fails to comply with DoD requirements.

2. Animals.

- a. Prior to initiating any animal work under the award, you must:
 - i. Register your research, development, test, and evaluation or training facility with the Secretary of Agriculture in accordance with 7 U.S.C. 2136 and 9 CFR section 2.30, unless otherwise exempt from this requirement by meeting the conditions in 7 U.S.C. 2136 and 9 CFR parts 1-4 for the duration of the activity.
 - ii. Have your proposed animal use approved in accordance with DoD Instruction (DoDI) 3216.01, Use of Animals in DoD Programs by a DoD Component Headquarters Oversight



Office.

- iii. Furnish evidence of such registration and approval to the grants officer.
- b. You must make the animals on which the research is being conducted, and all premises, facilities, vehicles, equipment, and records that support animal care and use available during business hours and at other times mutually agreeable to you, the United States Department of Agriculture Office of Animal and Plant Health Inspection Service (USDA/APHIS) representative, personnel representing the DoD Component oversight offices, as well as the grants officer, to ascertain that you are compliant with 7 U.S.C. 2131 et seq., 9 CFR parts 1-4, and DoDI 3216.01.
- c. Your care and use of animals must conform with the pertinent laws of the United States, regulations of the USDA, and regulations, policies, and procedures of the DoD (see 7 U.S.C. 2131 et seq., 9 CFR parts 1-4, and DoDI 3216.01).
- d. You must acquire animals in accordance with DoDI 3216.01.

3. Use of remedies.

Failure to comply with the applicable requirements in paragraphs 1 and 2 of this section may result in the DoD Component's use of remedies, e.g., wholly or partially terminating or suspending the award, temporarily withholding payment under the award pending correction of the deficiency or disallowing all or part of the cost of the activity or action (including the Federal share and any required cost sharing or matching) that is not in compliance. See OAR Article III.

Section B. Other requirements concerning live organisms. RESERVED - Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.

NP Article IV. Other national policy requirements. (September 2023)

Section A. Cross-cutting requirements.

- 1. Debarment and suspension. You must comply with requirements regarding debarment and suspension in Subpart C of 2 CFR part 180, as adopted by DoD at 2 CFR part 1125. This includes requirements concerning your principals under this award, as well as requirements concerning your procurement transactions and subawards that are implemented in PROC Articles I through III and SUB Article II.
- 2. Drug-free workplace. You must comply with drug-free workplace requirements in Subpart B of 2 CFR part 182, which is the DoD implementation of 41 U.S.C. chapter 81, "Drug-Free Workplace."
- 3. Lobbying.
 - a. You must comply with the restrictions on lobbying in 31 U.S.C. 1352, as implemented by DoD at 32 CFR part 28, and submit all disclosures required by that statute and regulation.



- b. You must comply with the prohibition in 18 U.S.C. 1913 on the use of Federal funds, absent express Congressional authorization, to pay directly or indirectly for any service, advertisement or other written matter, telephone communication, or other device intended to influence at any time a Member of Congress or official of any government concerning any legislation, law, policy, appropriation, or ratification.
- c. If you are a nonprofit organization described in section 501(c)(4) of title 26, United States Code (the Internal Revenue Code of 1968), you may not engage in lobbying activities as defined in the Lobbying Disclosure Act of 1995 (2 U.S.C., chapter 26). If we determine that you have engaged in lobbying activities, we will cease all payments to you under this and other awards and terminate the awards unilaterally for material failure to comply with the award terms and conditions.
- 4. Officials not to benefit. You must comply with the requirement that no member of Congress shall be admitted to any share or part of this award, or to any benefit arising from it, in accordance with 41 U.S.C. 6306.
- 5. Hatch Act. If applicable, you must comply with the provisions of the Hatch Act (5 U.S.C. 1501-1508) concerning political activities of certain State and local government employees, as implemented by the Office of Personnel Management at 5 CFR part 151, which limits political activity of employees or officers of State or local governments whose employment is connected to an activity financed in whole or part with Federal funds.
- 6. Native American graves protection and repatriation. If you control or possess Native American remains and associated funerary objects, you must comply with the requirements of 43 CFR part 10, the Department of the Interior implementation of the Native American Graves Protection and Repatriation Act of 1990 (25 U.S.C., chapter 32). Unless award-specific terms and conditions or the DoD Component addendum to these terms and conditions say otherwise, this Native American graves requirement does not apply to a recipient that is a foreign organization or foreign public entity. Recipients are not required to flow down the Native American Graves provision to a subrecipient that is a foreign organization or foreign public entity.
- 7. Fly America Act. You must comply with the International Air Transportation Fair Competitive Practices Act of 1974 (49 U.S.C. 40118), commonly referred to as the "Fly America Act," and implementing regulations at 41 CFR 301-10.131 through 301-10.143. The law and regulations require that U.S. Government financed international air travel of passengers and transportation of personal effects or property must use a U.S. Flag air carrier or be performed under a cost-sharing arrangement with a U.S. carrier, if such service is available.
- 8. Use of United States-flag vessels. You must comply with the following requirements of the Department of Transportation at 46 CFR 381.7, in regulations implementing the Cargo Preference Act of 1954:
 - a. Pursuant to Public Law 83-664 (46 U.S.C. 55305), at least 50 percent of any equipment, materials



- or commodities procured, contracted for or otherwise obtained with funds under this award, and which may be transported by ocean vessel, must be transported on privately owned United States flag commercial vessels, if available.
- b. Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph 8.a of this section must be furnished to both our award administrator (through you in the case of your contractor's bill-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.
- 9. Research misconduct. You must comply with requirements concerning research misconduct in Enclosure 4 to DoD Instruction 3210.7, "Research Integrity and Misconduct." The Instruction implements the Governmentwide research misconduct policy that the Office of Science and Technology Policy published in the Federal Register (65 FR 76260, December 6, 2000, available through the U.S. Government Printing Office web site: https://www.esd.whs.mil/Portals/54/Documents/DD/issuances/dodi/321007p.pdf.
- 10. Requirements for an Institution of Higher Education Concerning Military Recruiters and Reserve Officers Training Corps (ROTC).
 - a. As a condition for receiving funds available to the DoD under this award, you agree that you are not an institution of higher education (as defined in 32 CFR part 216) that has a policy or practice that either prohibits, or in effect prevents:
 - The Secretary of a Military Department from maintaining, establishing, or operating a unit of the Senior Reserve Officers Training Corps (ROTC)—in accordance with 10 U.S.C. 654 and other applicable Federal laws—at that institution (or any subelement of that institution);
 - ii. Any student at that institution (or any subelement of that institution) from enrolling in a unit of the Senior ROTC at another institution of higher education.
 - iii. The Secretary of a Military Department or Secretary of Homeland Security from gaining access to campuses, or access to students (who are 17 years of age or older) on campuses, for purposes of military recruiting in a manner that is at least equal in quality and scope to the access to campuses and to students that is provided to any other employer; or
 - iv. Access by military recruiters for purposes of military recruiting to the names of students (who are 17 years of age or older and enrolled at that institution or any subelement of that institution); their addresses, telephone listings, dates and places of birth, levels of education, academic majors, and degrees received; and the most recent educational institutions in which they were enrolled.
 - b. If you are determined, using the procedures in 32 CFR part 216, to be such an institution of higher



education during the period of performance of this award, we:

- Will cease all payments to you of DoD funds under this award and all other DoD grants and cooperative agreements; and
- ii. May suspend or terminate those awards unilaterally for material failure to comply with the award terms and conditions.
- c. Unless award-specific terms and conditions or the DoD Component addendum to these terms and conditions say otherwise, this ROTC provision does not apply to a recipient that is a foreign organization or foreign public entity. Recipients are not required to flow down this ROTC provision to a subrecipient that is a foreign organization or foreign public entity.
- 11. Historic preservation. You must identify to us any:
 - a. Property listed or eligible for listing on the National Register of Historic Places that will be affected by this award, and provide any help we may need, with respect to this award, to comply with section 106 of the National Historic Preservation Act of 1966 (54 U.S.C. 306108), as implemented by the Advisory Council on Historic Preservation regulations at 36 CFR part 800 and Executive Order 11593, "Identification and Protection of Historic Properties," [3 CFR, 1971-1975 Comp., p. 559]. Impacts to historical properties are included in the definition of "human environment" that require impact assessment under NEPA (See NP Article II, Section A).
 - b. Potential under this award for irreparable loss or destruction of significant scientific, prehistorical, historical, or archeological data, and provide any help we may need, with respect to this award, to comply with the Archaeological and Historic Preservation Act of 1974 (54 U.S.C. chapter 3125).
- 12. Relocation and real property acquisition. You must comply with applicable provisions of 49 CFR part 24, which implements the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 U.S.C. 4601, et seq.) and provides for fair and equitable treatment of persons displaced by federally assisted programs or persons whose property is acquired as a result of such programs.
- 13. Confidentiality of patient records. You must keep confidential any records that you maintain of the identity, diagnosis, prognosis, or treatment of any patient in connection with any program or activity relating to substance abuse education, prevention, training, treatment, or rehabilitation that is assisted directly or indirectly under this award, in accordance with 42 U.S.C. 290dd-2.
- 14. Pro-Children Act. You must comply with applicable restrictions in the Pro-Children Act of 1994 (Title 20, Chapter 68, subchapter X, Part B of the U.S. Code) on smoking in any indoor facility:
 - a. Constructed, operated, or maintained under this award and used for routine or regular provision of kindergarten, elementary, or secondary education or library services to children under the age of 18.
 - b. Owned, leased, or contracted for and used under this award for the routine provision of federally



- funded health care, day care, or early childhood development (Head Start) services to children under the age of 18.
- 15. Constitution Day. You must comply with Public Law 108-447, Div. J, Title I, section 111 (36 U.S.C. 106 note), which requires each educational institution receiving Federal funds in a Federal fiscal year to hold an educational program on the United States Constitution on September 17th during that year for the students served by the educational institution.
 - Unless award-specific terms and conditions or the DoD Component addendum to these terms and conditions say otherwise, this Constitution Day provision does not apply to a recipient that is a foreign organization or foreign public entity. Recipients are not required to flow down the Constitution Day provision to a subrecipient that is a foreign organization or foreign public entity.
- 16. Trafficking in persons. You must comply with requirements concerning trafficking in persons specified in the award term at 2 CFR 175.15(b), as applicable.
- 17. Whistleblower protections. You must comply with 10 U.S.C. 2409, including the:
 - a. Prohibition on reprisals against employees disclosing certain types of information to specified persons or bodies; and
 - b. Requirement to notify your employees in writing, in the predominant native language of the workforce, of their rights and protections under that statute.
- 18. Section 889 of the National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2019 (Public Law 115-232) prohibits the head of an executive agency from obligating or expending loan or grant funds to procure or obtain, extend, or renew a contract to procure or obtain, or enter into a contract (or extend or renew a contract) to procure or obtain the equipment, services, or systems prohibited systems as identified in section 889 of the NDAA for FY 2019.
 - a. In accordance with 2 CFR 200.216 and 200.471, all awards that are issued on or after August 13, 2020, recipients and subrecipients are prohibited from obligating or expending loan or grant funds to:
 - i. Procure or obtain;
 - ii. Extend or renew a contract to procure or obtain; or
 - iii. Enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in Public Law 115-232, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).



- (A) For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
- (B) Telecommunications or video surveillance services provided by such entities or using such equipment.
- (C) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.
- b. In implementing the prohibition under Public Law 115-232, section 889, subsection (f), paragraph (1), heads of executive agencies administering loan, grant, or subsidy programs shall prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications service to users and customers is sustained.
- c. See Public Law 115-232, section 889 for additional information.

COVERED FOREIGN COUNTRY means the People's Republic of China.

TELECOMMUNICATIONS COST means the cost of using communication and telephony technologies such as mobile phones, land lines, and internet.

- 19. Do Not Contract with the Enemy (2 CFR 183) RESERVED Only applicable if provided in DoD Component addendum to these terms and conditions or award-specific terms and conditions.
- 20. Disclosure Requirements for Recipients of Department of Defense Research and Development Funds.
 - a. Except at provided in subsection (b) and (c), an individual or entity (including a State or local government) that uses funds received from the Department of Defense to carry out research or development activities shall include, in any public document pertaining to such activities, a clear statement indicating the dollar amount of the funds received from the Department for such activities.
 - b. Exception. The disclosure requirement under subsection (a) shall not apply to a public document consisting of fewer than 280 characters.
 - c. Waiver. The Secretary of Defense may waive the disclosure requirement under subsection (a) on a case-by-case basis.



- d. Public Document Defined. In this section, the term public document means any document or other written statement made available for public reference or use, regardless of whether such document or statement is made available in hard copy or electronic format.
- 21. Disclosure of Funding Sources in Applications for Federal Research and Development Award (42 USC 6605).
 - a. Each Federal research agency shall require, as part of any application for a research and development award from such agency, that each covered individual listed on the application:
 - i. disclose the amount, type, and source of all current and pending research support received by, or expected to be received by, the individual as of the time of the disclosure;
 - ii. certify that the disclosure is current, accurate, and complete; and
 - iii. agree to update such disclosure at the request of the agency prior to the award of support and at any subsequent time the agency determines appropriate during the term of the award; and:
 - (A) that any entity applying for such award certify that each covered individual who is employed by the entity and listed on the application has been made aware of the requirements under paragraph (1).

b. Definitions.

- i. In this section the term *covered individual* means an individual who:
 - (A) contributes in a substantive, meaningful way to the scientific development or execution of a research and development project proposed to be carried out with a research and development award from a Federal research agency.
 - (B) is designated as a covered individual by the Federal research agency concerned.
- ii. In this section the term current and pending research support means:
 - (A) all resources made available, or expected to be made available, to an individual in support of the individual's research and development efforts, regardless of:
 - (i) whether the source of the resource is foreign or domestic;
 - (ii) whether the resource is made available through the entity applying for a research and development award or directly to the individual; or
 - (iii) whether the resource has monetary value; and



- (iv) includes in-kind contributions requiring a commitment of time and directly supporting the individual's research and development efforts, such as the provision of office or laboratory space, equipment, supplies, employees, or students.
- iii. In this section the term the term entity means:
 - (A) an entity that has applied for or received a research and development award from a Federal research agency.
- iv. In this section the term Federal research agency means:
 - (A) any Federal agency with an annual extramural research expenditure of over \$100,000,000.
- v. In this section the term "research and development award" means:
 - (A) support provided to an individual or entity by a Federal research agency to carry out research and development activities, which may include:
 - (i) support in the form of a grant, contract, cooperative agreement, or other such transaction.
 - (B) The term does not include a grant, contract, agreement or other transaction for the procurement of goods or services to meet the administrative needs of a Federal research agency.
- 22. Prohibiting Funding with Institutes of Higher Education Hosting Confucius Institutes.
 - a. Section 1062 of the NDAA for FY 2021 (Public Law 116-283) prohibits the Department from providing any funding (other than direct funding to students as educational assistance) to an institution of higher education in the United States that hosts a cultural institute funded directly or indirectly by the People's Republic of China (otherwise known as a "Confucius Institute") beginning in FY 2024.
 - b. Beginning on October 1, 2023, recipient organizations that are institutions of higher education located in the United States are prohibited from hosting such cultural institutes unless the institution has been given a waiver from the Section 1062 prohibition by the Secretary of Defense.
 - c. Definition. For the purposes of this section, an institution of higher education in the United States is one that meets the definition in Paragraph 1002 of Title 20, United States Code.

Section B. Additional requirements.

1. Prohibition on Using Funds under Grants and Cooperative Agreements with Entities that Require



Certain Internal Confidentiality Agreements.

- a. You may not require your employees, contractors, or subrecipients seeking to report fraud, waste, or abuse to sign or comply with internal confidentiality agreements or statements prohibiting or otherwise restricting them from lawfully reporting that waste, fraud, or abuse to a designated investigative or law enforcement representative of a federal department or agency authorized to receive such information.
- b. You must notify your employees, contractors, and subrecipients that the prohibitions and restrictions of any internal confidentiality agreements inconsistent with paragraph a. of this award provision are no longer in effect.
- c. The prohibition in paragraph 1.a. of this section does not contravene requirements applicable to Standard Form 312, Form 4414, or any other form issued by a Federal department or agency governing the nondisclosure of classified information.
- d. If the Federal Government determines that you are not in compliance with this award provision, it:
 - i. Will prohibit your use of funds under this award, in accordance with section 743 of Division E of the Consolidated and Further Continuing Resolution Appropriations Act, 2015, (Public Law 113-235) or any successor provision of law; and
 - ii. May pursue other remedies available for your material failure to comply with award terms and conditions.

