

NATIONAL CANCER INSTITUTE

Office of Acquisitions

ACQUISITION PLAN

Enterprise Cloud Migration and Managed Services

Solicitation Number: NCI-AS-2026-0042

Estimated Value: \$4,850,000

Prepared By:	Dr. Sarah Mitchell
Title:	Program Manager
Division:	Center for Biomedical Informatics
Date:	February 3, 2026
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CONTROLLED UNCLASSIFIED INFORMATION

SOURCE SELECTION SENSITIVE

This document contains source selection sensitive information and must be protected from unauthorized disclosure in accordance with FAR 3.104.

Document History

Version	Date	Author	Description of Changes
1.0	2026-01-15	Dr. Sarah Mitchell	Initial draft

1.1	2026-01-22	Dr. Sarah Mitchell	Updated cost estimates based on market research
1.2	2026-01-28	John Smith	Added security requirements per ISSO review
2.0	2026-02-03	Dr. Sarah Mitchell	Revised per Contracting Officer feedback

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Header Information

Field	Value
Acquisition Title	Enterprise Cloud Migration and Managed Services
Program/Project Title	NCI Cloud Modernization Initiative
OPDIV/Division	National Cancer Institute (NCI)
Acquisition Year	FY 2026
Associated AS Number	NCI-AS-2026-0042
P/PM Name	Dr. Sarah Mitchell
P/PM Phone	(301) 555-0142
P/PM Email	sarah.mitchell@nih.gov

(a) Acquisition Background and Objectives - FAR 7.105(a)

(1) Statement of Need – FAR 7.105(a)(1)

Technical and Contractual History

The National Cancer Institute requires enterprise cloud migration services to modernize its legacy on-premises infrastructure. This initiative supports NCI's strategic goal to enhance research data accessibility and collaboration across distributed research teams.

Prior Acquisitions:

Contract #	Contractor	Period	Value	Performance
HHSN261201500001C	TechCorp Solutions	2020-2025	\$2.4M	Satisfactory
75N91019D00024	CloudFirst Inc.	2019-2024	\$1.8M	Excellent

The current on-premises infrastructure is reaching end-of-life, with hardware warranties expiring in Q3 FY2026. Migration to cloud services will reduce operational costs by an estimated 30% while improving system availability from 99.5% to 99.99%.

Acquisition Alternatives

The following alternatives were considered:

1. **Extend Current Contracts** - Not viable due to hardware end-of-life
2. **In-House Development** - Rejected; lacks specialized cloud expertise
3. **GSA Schedule** - Considered but requires full and open competition for best value
4. **HHS Enterprise Contract** - No existing vehicle meets specific requirements

Acquisition Alternatives – Department Considerations

Question	Response
Are there HHS agency-wide IDIQ contracts or other vehicles?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Rationale: Market research confirmed no existing HHS-wide vehicles adequately address the specialized cloud migration requirements for scientific research data systems with FISMA High security controls.

(2) Applicable Conditions – FAR 7.105(a)(2)

Compatibility

The cloud solution must be compatible with:

- Existing NCI scientific applications (SEER, TCGA, GDC)
- NIH enterprise authentication (NIH Login)
- Federal security requirements (FedRAMP High, FISMA)

- HHS enterprise data standards

Constraints

Constraint Type	Description	Mitigation
Schedule	Migration must complete before hardware EOL (Q3 FY2026)	Phased migration approach
Cost	Annual budget ceiling of \$1.2M	Multi-year funding strategy
Performance	Zero data loss during migration	Comprehensive backup/recovery plan
Security	FISMA High baseline required	FedRAMP authorized providers only

(3) Cost – FAR 7.105(a)(3)

Total Estimated Cost (inclusive of all options): \$4,850,000

Period	Estimated Amount
Base Year	\$1,200,000
Option Year 1	\$950,000
Option Year 2	\$925,000
Option Year 3	\$900,000
Option Year 4	\$875,000
Total	\$4,850,000

IGCE Attached: Yes No

Life-cycle Cost

Life-cycle cost analysis indicates a 30% reduction in total cost of ownership over 5 years compared to continued on-premises operations. The analysis includes:

- Hardware refresh costs avoided: \$1.2M
- Reduced FTE requirements: 2.5 FTEs (\$450K/year)
- Energy and facility costs reduced: \$75K/year

Design-to-cost

Not applicable - this is a services acquisition.

Application of Should-Cost

Should-cost analysis was conducted using GSA pricing data, industry benchmarks (Gartner, IDC), and historical NCI cloud services contracts. The IGCE reflects competitive market rates for FedRAMP High cloud services.

(4) Capability or Performance – FAR 7.105(a)(4)

The contractor shall provide cloud migration and managed services with the following capabilities:

Requirement	Performance Standard
System Availability	99.99% uptime
Data Migration	Zero data loss
Security Compliance	FedRAMP High authorization
Incident Response	Critical: 15 min, High: 1 hour
Backup/Recovery	RPO: 1 hour, RTO: 4 hours

(5) Delivery or Performance-Period Requirements – FAR 7.105(a)(5)

Period	Start Date	End Date	Duration
Base Year	03/01/2026	02/28/2027	12 months
Option Year 1	03/01/2027	02/28/2028	12 months
Option Year 2	03/01/2028	02/29/2029	12 months
Option Year 3	03/01/2029	02/28/2030	12 months
Option Year 4	03/01/2030	02/28/2031	12 months

Urgency: The existing on-premises infrastructure reaches end-of-life in Q3 FY2026. Delayed award would result in:

- Extended hardware support costs (\$150K)
- Increased security risk from unsupported systems
- Potential service interruption to research operations

(6) Trade-Offs – FAR 7.105(a)(6)

Factor	Priority	Trade-off Consideration
Security	Highest	Will not compromise FedRAMP High requirement
Performance	High	May accept 99.95% vs 99.99% for cost savings
Cost	Medium	Willing to pay premium for proven migration expertise
Schedule	High	Phased approach acceptable to meet deadline

(7) Risks – FAR 7.105(a)(7)

Risk	Probability	Impact	Mitigation Strategy
Data loss during migration	Low	Critical	Comprehensive backup, staged migration, validation testing
Schedule delay	Medium	High	Phased approach, parallel processing, buffer time
Cost overrun	Medium	Medium	Fixed-price migration, T&M for managed services with ceiling
Security incident	Low	Critical	FedRAMP requirement, continuous monitoring
Contractor performance	Low	High	Past performance evaluation, quality assurance surveillance

Organizational Conflict of Interest

No organizational conflicts of interest have been identified. The solicitation will include FAR 52.209-9 and require offerors to disclose any potential OCI.

(8) Acquisition Streamlining – FAR 7.105(a)(8)

The following streamlining measures will be employed:

1. **Draft RFP Release** - Posted for industry comment 30 days prior to final
2. **Industry Day** - Virtual event to address questions and gather feedback
3. **Oral Presentations** - Reduce written proposal burden
4. **Page Limits** - Technical volume limited to 30 pages
5. **Past Performance** - CPARS review in lieu of lengthy questionnaires

(b) Plan of Action - FAR 7.105(b)

(1) Sources – FAR 7.105(b)(1)

Market Research Results

Market research was conducted January 2026 including:

- SAM.gov Sources Sought Notice (15 responses)
- GSA eBuy RFI (8 responses)
- Industry Day (45 attendees)
- One-on-one meetings with 5 potential offerors

Prospective Sources

Company	Size	Set-Aside Status	Capability
CloudFirst Federal	Large	N/A	Full scope
GovCloud Solutions	Small	8(a)	Full scope
SecureCloud Inc.	Small	SDVOSB	Full scope
DataMigrate LLC	Small	WOSB	Migration only
TechServ Federal	Large	N/A	Full scope

Small Business Considerations

Based on market research, adequate competition exists among small business concerns. This acquisition will be set aside for small business in accordance with FAR 19.502-2.

(2) Competition – FAR 7.105(b)(2)

Competition Type	Selection
<input type="checkbox"/> Full and Open Competition	
<input checked="" type="checkbox"/> Small Business Set-Aside	
 <input checked="" type="checkbox"/> All Small Business	
 <input type="checkbox"/> VOSB	
 <input type="checkbox"/> SDVOSB	
 <input type="checkbox"/> HUBZone	
 <input type="checkbox"/> SDB	
 <input type="checkbox"/> WOSB	
 <input type="checkbox"/> 8(a)	
<input type="checkbox"/> Other than Full and Open	

Rationale: Market research identified at least 5 small business concerns capable of performing the full scope of work. Set-aside supports NCI's small business goals.

(3) Contract Type Selection – FAR 7.105(b)(3)

Contract Type	Selection	Rationale
<input type="checkbox"/> Firm-Fixed-Price		
<input type="checkbox"/> Cost-Plus-Fixed-Fee		
<input checked="" type="checkbox"/> Hybrid FFP/T&M	Selected	Migration (FFP), Managed Services (T&M)

Justification:

- **Migration Phase (FFP):** Well-defined scope with measurable deliverables supports fixed pricing
- **Managed Services (T&M):** Variable workload based on actual usage requires flexibility; ceiling price provides cost control

D&F for T&M: Attached as Exhibit A

(4) Source Selection Procedures – FAR 7.105(b)(4)

Procedure	Selection
<input type="checkbox"/> Lowest Price Technically Acceptable	
<input checked="" type="checkbox"/> Best Value/Tradeoff	Selected

Evaluation Factors

Factor	Weight	Description
Technical Approach	40%	Migration methodology, tools, risk mitigation
Past Performance	25%	Similar cloud migrations, FedRAMP experience
Management Approach	15%	Staffing, quality control, communication
Price	20%	Total evaluated price

Relative Importance: Technical factors, when combined, are significantly more important than price.

(5) Acquisition Considerations – FAR 7.105(b)(5)

Section 508 Accessibility

Question	Response
Does Section 508 apply?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
ICT products or services?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Audiovisual materials?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Applicable Standards: WCAG 2.1 Level AA for all user interfaces and documentation.

Options

Options for four (4) additional years are included. D&F for options attached as Exhibit B.

(6) Budgeting and Funding – FAR 7.105(b)(6)

Item	Value
IGCE Date of Completion	January 15, 2026
Appropriation	NCI Operations
CAN	1234567
Fiscal Year	FY2026

IGCE Development: The IGCE was developed using:

- Historical pricing from similar NCI contracts
- GSA Schedule pricing for comparable services
- Gartner benchmark data for cloud migration services
- Vendor responses to Sources Sought notice

(7) Product or Service Descriptions – FAR 7.105(b)(7)

This acquisition uses a Performance Work Statement (PWS) that describes requirements in terms of outcomes rather than methods. This approach:

- Encourages innovative solutions
- Enables performance-based quality assurance
- Aligns with FAR 37.6 requirements for service contracts

(8) Priorities, Allocations, and Allotments – FAR 7.105(b)(8)

Not applicable. This acquisition is not subject to the Defense Priorities and Allocations System (DPAS).

(9) Contractor versus Government Performance – FAR 7.105(b)(9)

This requirement is not subject to OMB Circular A-76. The services are commercial in nature and have historically been performed by contractors.

(10) Inherently Governmental Functions – FAR 7.105(b)(10)

In accordance with FAR 7.5 and OFPP Policy Letter 11-01, the undersigned certifies that:

- The services being procured are NOT inherently governmental
- The services are NOT closely associated with inherently governmental functions
- Appropriate oversight mechanisms are in place

(11) Management Information Requirements – FAR 7.105(b)(11)

The Government will monitor contractor performance through:

- Monthly status meetings
- Quarterly performance reviews
- Real-time dashboard monitoring
- Annual Contractor Performance Assessment (CPARS)

EVMS is not required for this acquisition.

(12) Make or Buy – FAR 7.105(b)(12)

Not applicable. This is a services acquisition.

(13) Test and Evaluation – FAR 7.105(b)(13)

Migration testing will include:

- User Acceptance Testing (UAT) for each application
- Performance testing under load
- Security testing (penetration testing, vulnerability scanning)
- Disaster recovery testing

(14) Logistics Considerations – FAR 7.105(b)(14)

Data Rights: Standard FAR 52.227-14 applies. Government retains unlimited rights to all data created under this contract.

Quality Assurance: A Quality Assurance Surveillance Plan (QASP) is attached as Exhibit C.

(15) Government-Furnished Property – FAR 7.105(b)(15)

Item	Description
Network Access	VPN credentials for contractor personnel
Test Environment	Access to NCI test/dev systems
Documentation	System architecture documents, data dictionaries

(16) Government-Furnished Information – FAR 7.105(b)(16)

Technical documentation will be provided via secure file share after contract award. Sensitive information will be marked and controlled in accordance with NIST SP 800-171.

(17) Environmental and Energy Conservation – FAR 7.105(b)(17)

Cloud services inherently support environmental objectives by:

- Reducing on-premises energy consumption
- Leveraging provider investments in renewable energy
- Optimizing resource utilization through virtualization

(18) Security Considerations – FAR 7.105(b)(18)

Requirement	Details
Classification	Unclassified
FISMA Level	High
FedRAMP	High authorization required
Facility Access	Yes - NIH campus
IT System Access	Yes - administrative access
Background Investigation	Tier 2 (MBI) minimum

(19) Contract Administration – FAR 7.105(b)(19)

Role	Name	Certification
Contracting Officer	TBD	FAC-C Level III
Contract Specialist	TBD	FAC-C Level II
COR	John Smith	FAC-COR Level II
Alternate COR	Jane Doe	FAC-COR Level II

(20) Other Considerations – FAR 7.105(b)(20)

No additional considerations identified.

(21) Milestones for Procurement Cycle – FAR 7.105(b)(21)

Milestone	N/A	Target Date	Revised	Complete
Acquisition Plan Approval	<input type="checkbox"/>	02/01/2026		
Statement of Work	<input type="checkbox"/>	02/15/2026		
IGCE Complete	<input type="checkbox"/>	01/15/2026		<input checked="" type="checkbox"/>
Security Checklist	<input type="checkbox"/>	02/01/2026		
Package Preparation	<input type="checkbox"/>	02/20/2026		
Purchase Request	<input type="checkbox"/>	02/25/2026		
J&A (if applicable)	<input checked="" type="checkbox"/>	N/A		
Synopsis Posted	<input type="checkbox"/>	03/01/2026		
Solicitation Issued	<input type="checkbox"/>	03/15/2026		
Proposals Due	<input type="checkbox"/>	04/15/2026		
Evaluation Complete	<input type="checkbox"/>	05/15/2026		
Negotiations	<input type="checkbox"/>	06/01/2026		
Contract Award	<input type="checkbox"/>	06/15/2026		

(22) Identification of Participants – FAR 7.105(b)(22)

Name	Role	Phone	Email
Dr. Sarah Mitchell	Program Manager	(301) 555-0142	sarah.mitchell@nih.gov
John Smith	COR	(301) 555-0198	john.smith@nih.gov

Maria Garcia	IT Security	(301) 555-0165	maria.garcia@nih.gov
TBD	Contracting Officer		

Reviews and Approvals

Budget Officer/Funds Certifying Official's Certification

I hereby certify that (a) this requirement represents a bona fide need of the fiscal year or years for which the appropriation was made and complies with the Anti-Deficiency Act; and (b) funds are committed for the base period or first increment of performance of this acquisition.

Name & Title	Signature	Date
Robert Johnson, Budget Officer	_____	_____

OPDIV Approvals

Official	Name & Title	Signature	Date
Program/Project Manager (P/PM)	Dr. Sarah Mitchell, Program Manager	_____	_____
Business Owner (COR)	John Smith, COR	_____	_____
Contracting Officer	_____	_____	_____
CO Supervisor	_____	_____	_____
OPDIV OSDBU	_____	_____	_____
OPDIV CIO	_____	_____	_____
Head of Contracting Activity	_____	_____	_____

Attachments

#	Document	Attached	Notes
A	D&F for Time and Materials	<input checked="" type="checkbox"/>	Required for T&M portion
B	D&F for Options	<input checked="" type="checkbox"/>	4 option years
C	Quality Assurance Surveillance Plan (QASP)	<input checked="" type="checkbox"/>	Performance monitoring
1	Independent Government Cost Estimate (IGCE)	<input checked="" type="checkbox"/>	Completed 01/15/2026
2	Performance Work Statement (PWS)	<input checked="" type="checkbox"/>	Outcome-based requirements
3	Market Research Report	<input checked="" type="checkbox"/>	Sources Sought results
4	HHS 653 Small Business Review	<input checked="" type="checkbox"/>	Set-aside determination
5	Information Security Checklist	<input checked="" type="checkbox"/>	FISMA High requirements
6	Section 508 Requirements	<input checked="" type="checkbox"/>	WCAG 2.1 Level AA

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Acquisition Plan - Enterprise Cloud Migration and Managed Services

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Template: Full Acquisition Plan (Exhibit 01.A)