

## ATTACHMENT A Performance Work Statement

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DRAFT

# 1. Background

Government agencies face a highly complex and evolving marketplace when it comes to acquiring cloud products and services. Navigating security, data ownership, terms & conditions, and operational practices for acquiring and administering these solutions is a difficult and time consuming effort. GSA found through market research that common cloud requirements exist across government agencies. As a result, we are seeking to simplify and standardize cloud acquisitions through our latest effort, the Ascend Blanket Purchase Agreement (BPA).

The Ascend BPA is part of the General Services Administration's (GSA's) Cloud Marketplace vision of empowering agencies to develop and implement enterprise-level cloud acquisition strategies through a modernized and simplified approach to meet their IT and cybersecurity requirements.

The BPA will emphasize Cloud Smart / Security Smart objectives, and establish minimum baseline requirements for the acquisition, business, operations, reporting, and technology capabilities provided by commercial Cloud Service Providers (CSPs) and cloud-focused labor service providers that are not currently accessible under other GSA Multiple Award Schedule (MAS) or Governmentwide Acquisition Contracts (GWACs). The Ascend BPA will focus on enabling support for both vertical (e.g., IaaS, PaaS, SaaS) and horizontal capabilities across the ecosystem and will provide more effective system integration and managed support services for the delivery of flexible, diverse, and secure cloud solutions.

The BPA will also emphasize cybersecurity supply chain risk management (C-SCRM) and resiliency by establishing minimum cybersecurity baselines for customers to ensure their cloud solutions are compliant with applicable cybersecurity legislation, regulations, policies (e.g., Cyber Executive Order 14028), and National Institute of Standards and Technology (NIST) best practices. Integration of these requirements, along with Zero Trust Architecture (ZTA) principles will reduce the risk of evolving threats, mitigate impacts of negative cybersecurity incidents, and ensure the Confidentiality, Integrity, and Availability (CIA) for customers cloud solutions.

## 2. Objectives

The objective of this BPA is to provide a streamlined method for government agencies to acquire and implement secure, integrated commercial cloud service solutions, including cloud-focused labor services through the award of a BPA in accordance with FAR 8.4. These services will be epitomized by driving towards the delivery of quality services within rapid time frames, utilization of Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), Anything as a Services (XaaS) and related cloud Information Technology (IT) professional services to create an "open-source"-like experience. This will enable full data accessibility, ownership, and portability for the government and facilitates a government model for the reuse of common applications that would function across multiple agencies.

38 To achieve this goal, industry partners must be able to implement secure cloud service solutions  
39 utilizing zero trust architecture cybersecurity baselines that leverage Development, Security,  
40 and Operations (DevSecOps) and Continuous Integration/Continuous Deployment (CI/CD) agile  
41 processes that achieve results through continuous capability enhancements, minimal downtime,  
42 prompt response to emerging needs, demonstrated reliability and availability, and optimized  
43 performance with minimized resource utilization.

### 44 3. Scope

45 The scope of the BPA is further broken down into the following independent primary pools with  
46 respective independent sub-pools as identified by the Government. Future capability offerings  
47 and/or emerging technologies within the defined scope of the overall Pool structure  
48 requirements will be assessed for on-ramping under new sub-pool(s). **BPA Task Orders (TOs)**  
49 **can be placed under one or all pools as necessary for the services required.**  
50

#### 51 **Pool 1: IaaS and PaaS**

52 Consists of awardees that provide commercial cloud computing Infrastructure as a Service  
53 (IaaS) and Platform as a Service (IaaS, PaaS) solutions.

- 54
- 55 • **Sub-Pool 1-1: Unclassified Infrastructure as a Service (IaaS) and Platform as a**  
56 **Service (PaaS) Cloud Service Offerings (CSOs)**
- 57
- 58 • **Sub-Pool 1-2: Classified Infrastructure as a Service (IaaS) and Platform as a Service**  
59 **(PaaS) Cloud Service Offerings (CSOs)**
- 60
- 61 • **Sub-Pool 1-X: Additional sub-pools will be defined based upon government**  
62 **requirements.**
- 63

#### 64 **Pool 2: SaaS (TBD, will be added at a later date and time via the onboarding process)**

65 Will consist of awardees that provide Government identified Software as a Service (SaaS)  
66 solutions.

- 67
- 68
- 69 • **Sub-Pool 2-X: Additional sub-pools will be defined based upon government**  
70 **requirements.**
- 71

#### 72 **Pool 3: Cloud IT Professional Services - (TBD, will be added at a later date and time via** 73 **the onboarding process)**

74 Will consist of awardees that provide cloud professional services that support the adoption of  
75 migration to, governance of, or management of commercial cloud computing solutions.

- 76
- 77
- 78 • **Sub-Pool 3-X: Additional sub-pools will be defined based upon government**  
79 **requirements.**
- 80
- 81

82  
83

**Pools / GSA Multiple Award Schedule (MAS) Special Item Number (SIN) Breakdown**

Pool 1 IaaS / PaaS		Pool 2 SaaS		Pool 3 Cloud Professional Services	
Special Line Items (SINs)		Special Line Items (SINs)		Special Line Items (SINs)	
Primary	Secondary	Primary	Secondary	Primary	Secondary
518210C	Any additional awarded MAS Contract SIN determined to be necessary	518210C	Any additional awarded MAS Contract SIN determined to be necessary	518210C	54151S, along with any other additional awarded MAS Contract SIN determined to be necessary

84

85 **Note:** The use of any additional awarded MAS SINs is proposed to address complex or unique  
86 customer requirements associated with hybrid cloud solutions or 'on-premises' requirements  
87 that are not supported under SIN 518210C or SIN 54151S. They should not represent a  
88 significant level of effort or commodity procurement cost relative to the overall solution cost  
89 estimate.  
90  
91

92 **4. References, Blanket Purchase Agreement**

93 Authorized ordering entities and authorized vendors shall adhere to the current revisions or  
94 updates of the referenced laws, regulations, policies, specifications and standards, and related  
95 information and tools identified in Appendix I. If a future revision or update to a reference is  
96 perceived to create change(s) to the BPA, the authorized ordering entities or authorized vendors  
97 shall notify the administrative agency.



## 98 **5. Identities**

### 99 **5.1. Administrative Agency**

100 The administrative agency is responsible for the administration of this BPA is the General  
101 GSA, ITC.

#### 102 **5.1.1. Administrative Agency Responsibilities**

##### 103 **5.1.1.1. Best In Class**

104 Administrative agency is responsible for requesting the BIC designation from OMB for the  
105 BPA, and on designation, will manage all requirements associated with maintaining the  
106 BIC designation.<sup>1, 2, 3</sup>

##### 107 **5.1.1.2. Blanket Purchase Agreement Administration**

108 Administrative agency is responsible for ensuring the BPA is administered in accordance  
109 with all applicable laws, regulations, policies, and T&C of the US, GSA, GSA MAS, and  
110 BPA.

##### 111 **5.1.1.3. Blanket Purchase Agreement Solicitations, Awards, Modifications**

112 Administrative agency is solely responsible for the issuance of BPA solicitation(s) (i.e.,  
113 sub-pools), award(s), and modification(s).

##### 114 **5.1.1.4. Cybersecurity Assessments and Evaluations**

###### 115 **5.1.1.4.1. Findings and Recommendations**

116 Administrative agency is responsible for receiving and reviewing authorized assessment  
117 and evaluation entities' independent assessment and evaluation findings and  
118 recommendations (e.g., reports).

###### 119 **5.1.1.4.1.1. Communications and Distribution**

120 Administrative Agency is responsible for communicating and distributing the assessment  
121 and evaluation findings and recommendations to the following:

- 122 ● DCAS
- 123 ● FedRAMP

---

<sup>1</sup> M-19-13: Category Management: Making Smarter Use of Common Contract Solutions and Practices

<sup>2</sup> M-22-03: Advancing Equity in Federal Procurement

<sup>3</sup> Acquisition Gateway: Best In Class

- 124
- Impacted authorized ordering entity(ies)

125 **5.1.1.4.1.2. Suspension and Termination of Blanket Purchase Agreement**

126 Administrative agency is responsible for evaluating and determining if the findings and  
127 recommendations of an independent assessment and evaluation or other off-boarding  
128 events warrants the suspension or termination (i.e., termination for cause, termination for  
129 convenience) of a BPA award(s) to an authorized vendor under this BPA.

130 **5.1.1.5. Performance Conflict Resolution**

131 Administrative agency is responsible for arbitrating and resolving performance conflicts  
132 that are unresolvable between authorized ordering entities and authorized vendors.

133 **5.1.1.6. Relief of Blanket Purchase Agreement Requirements**

134 Administrative agency is solely responsible for the adjudication (e.g., approval, denial) of  
135 all requests for relief of BPA requirements from authorized ordering entities or authorized  
136 vendors.

137 **5.2. Authorized Assessment and Evaluation Entity**

138 An authorized assessment and evaluation entity is an explicitly identified government entity  
139 under this BPA, that is authorized to conduct and perform independent assessments and  
140 evaluations leveraging best practices and guidelines established by NIST and commercial  
141 standards.

142 **5.2.1. United States Federal Government**

143 The following US Federal Government agencies or subordinate agencies, components, and  
144 offices are authorized assessment and evaluation entities:

- 145
- Cybersecurity and Infrastructure Security Agency (CISA)
  - Government Accounting Office (GAO)
  - National Security Administration (NSA) / Central Security Service (CSS)
  - Office of the Director of National Intelligence (ODNI)
- 146  
147  
148

149 **5.2.2. United States Department of Defense**

150 The following DoD agencies or subordinate agencies, components, and offices are authorized  
151 assessment and evaluation entities:

- 152
- Director Operational Test & Evaluation (DOT&E)
  - Marine Corps Forces Cyberspace Command
  - Sixteenth Air Force (AFCYBER)
  - US Army Cyber Command (ARCYBER)
- 153  
154  
155

- 156 • US Cyber Command (USCC)
- 157 • US Fleet Cyber Command

## 158 **5.2.3. Authorized Assessment and Evaluation Entity**

### 159 **Responsibilities**

#### 160 **5.2.3.1. Cybersecurity Assessments and Evaluations**

161 Authorized assessment and evaluation entities are responsible for conducting and  
162 performing announced and unannounced independent cybersecurity (e.g., Central  
163 Intelligence Agency (CIA) triad) and operational (e.g., performance, SLAs) assessments  
164 and evaluations (e.g., OT&E) of the cloud services (i.e., IaaS, PaaS, SaaS) architectures  
165 (e.g., compute, networking, storage) and security domains involved in the processing,  
166 transporting, and / or storing authorized ordering entities data.

##### 167 **5.2.3.1.1. Coordination**

168 Authorized assessment and evaluation entities are responsible for coordinating  
169 assessment and evaluation activities with the authorized vendors. Coordination  
170 responsibilities shall include planning, execution, and post assessment and evaluation  
171 activities (e.g., remediations, Plan of Actions and Milestones (POA&Ms)).

##### 172 **5.2.3.1.2. Costs**

173 Authorized assessment and evaluation entities are responsible for their assessment and  
174 evaluation costs.

##### 175 **5.2.3.1.3. Findings and Recommendations**

176 Authorized assessment and evaluation entities are responsible for documenting the  
177 assessment and evaluation findings and recommendations (e.g., reports).

##### 178 **5.2.3.1.3.1. Communications and Distribution**

179 Authorized assessment and evaluation entities are responsible for communicating and  
180 distributing the assessment and evaluation findings and recommendations to the following:

- 181 • BPA Contracting Officer
- 182 • Authorized assessment and evaluation entities
- 183 • Assessed and evaluated authorized vendor(s)

##### 184 **5.2.3.1.3.2. Information Classification Levels**

185 Authorized assessment and evaluation entities are responsible for establishing the  
186 information classification level (i.e., Controlled Unclassified Information (CUI), Confidential,  
187 Secret, Top Secret) of the assessment and evaluation findings and recommendations.

<b>Table 1: Minimum Information Classification Levels</b>	
<b>Authorization Level</b>	<b>Minimum Information Classification Level</b>
DCAS Authorization IL 2	CUI
DCAS Authorization IL 4	CUI
DCAS Authorization IL 5	Confidential
DCAS Authorization IL 6	Secret
FedRAMP Moderate	CUI
FedRAMP High	CUI

188

189 **5.2.3.1.3.3. Information Classification Markings**

190 Authorized assessment and evaluation entities are responsible for identifying and  
 191 applying the correct information classification markings<sup>4</sup> to the assessment and  
 192 evaluation findings and recommendations.

193 **5.2.3.1.3.4. Public Disclosure and Release**

194 Authorized assessment and evaluation entities are responsible for developing an  
 195 unclassified version (i.e., sensitive information redacted) of the assessment and  
 196 evaluation findings (e.g., reports) and recommendations suitable for public disclosure  
 197 and release.

198 Authorized assessment and evaluation entities are responsible for the public disclosure  
 199 and release of the unclassified versions of the assessment and evaluation findings and  
 200 recommendations in accordance with applicable laws,<sup>5</sup> regulations, and policies.

201 Authorized assessment and evaluation entities are responsible for issuing written  
 202 notifications to the assessed and evaluated authorized vendor(s) a minimum of 30  
 203 calendar days prior to the date of public disclosure or release of the unclassified version  
 204 of the assessment and evaluation findings and recommendations.

205 Authorized assessment and evaluation entities are responsible for including a copy of  
 206 the unclassified version of the assessment and evaluation findings and  
 207 recommendations with the notifications.

<sup>4</sup> Controlled Unclassified Information (CUI) Markings List

<sup>5</sup> 5 U.S.C. 552 GOVERNMENT ORGANIZATION AND EMPLOYEES, Public information; agency rules, opinions, orders, records, and proceedings

208 **5.2.3.1.4. Techniques**

209 Authorized assessment and evaluation entities are responsible for determining the  
210 appropriate active (e.g., ethical hacker, red team, penetration testing) and passive (e.g.,  
211 emulation, simulation) assessment and evaluation techniques.

212 **5.3. Authorized Ordering Entity**

213 An authorized ordering entity is a federal, state, or local government agency or other  
214 eligible entity that is authorized to use the GSA MAS Federal Supply Schedule (FSS).

215 Authorization to use the GSA MAS FSS are per the following laws, regulations, and  
216 policies:

A	40 U.S.C. 502 PUBLIC BUILDINGS, PROPERTY, AND WORKS, Services for other entities <sup>6, 7, 8, 9, 10</sup>
B	GSA Order 4800.21 "Eligibility to Use GSA Sources of Supply and Services"
	— Appendix A: Executive Agencies
	— Appendix B: Other Eligible Users
	— Appendix C: International Organizations and Others Determined Eligible under Section 607 of the Foreign Assistance Act

217 **5.3.1. Cooperative Purchasing Program**

218 Authorized ordering entities, per 40 U.S.C. 502(c), may leverage this BPA under the GSA  
219 Cooperative Purchasing Program.

220 **5.3.2. Disaster Purchasing Program**

221 Authorized ordering entities, per 40 U.S.C. 502(c), may leverage this BPA under the GSA  
222 Disaster Purchasing Program to facilitate disaster preparation, response, or major disaster  
223 recovery.<sup>11</sup>

<sup>6</sup> Codified: E-Government Act of 2002

<sup>7</sup> Codified: Federal Supply Schedules Usage Act of 2010

<sup>8</sup> Codified: John Warner National Defense Authorization Act for Fiscal Year 2007

<sup>9</sup> Codified: Local Preparedness Acquisition Act

<sup>10</sup> Codified: Robert T. Stafford Disaster Relief and Emergency Assistance Act

<sup>11</sup> Emergency Acquisitions Guide

224 A disaster may be natural or man-made, including acts of terrorism (e.g., biological,  
225 chemical, nuclear, radiological).

226 TO award(s) in support of major disaster recovery shall be in direct response to a Robert  
227 T. Stafford Disaster Relief and Emergency Assistance Act (i.e., Stafford Act) Presidential  
228 declaration.

229 Department of Homeland Security (DHS) Federal Emergency Management Agency  
230 (FEMA) maintains and manages the list of Stafford Act declared disasters.<sup>12</sup>

### 231 **5.3.3. Authorized Ordering Entity Responsibilities**

#### 232 **5.3.3.1. Cybersecurity Assessments and Evaluations**

##### 233 **5.3.3.1.1. Coordination**

234 Authorized ordering entities are responsible for coordinating (e.g., requesting) assessment  
235 and evaluation activities with their respective authorized assessment and evaluation  
236 entity(ies).

##### 237 **5.3.3.1.2. Findings and Recommendations**

238 Authorized ordering entities are responsible for receiving and reviewing authorized  
239 assessment and evaluation entities' assessment and evaluation findings and  
240 recommendations (e.g., reports).

##### 241 **5.3.3.1.2.1. Suspension and Termination of Task Order(s)**

242 Authorized ordering entities are responsible for evaluating and determining if the findings  
243 and recommendations of an assessment and evaluation warrants the suspension or  
244 termination (i.e., termination for cause, termination for convenience) of a TO(s) awarded  
245 under this BPA.

#### 246 **5.3.3.2. Cybersecurity Authorization To Operate (ATO)**

247 Authorized ordering entities are responsible for the issuance of ATO(s) for the authorized  
248 ordering entity's leveraged cloud services (i.e., IaaS, PaaS, SaaS) in accordance with  
249 applicable laws, regulations, and policies.

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<sup>12</sup> Declared Disasters: <https://www.fema.gov/disaster/declarations>

250 **5.3.3.2.1. Department of Defense Cloud Authorization Services (DCAS) and Federal**  
251 **Risk and Authorization Management Program Reporting**

252 Authorized ordering entities are responsible for reporting and submitting issued ATO(s) to  
253 DCAS and FedRAMP.

254 Authorized ordering entities are responsible for reporting and submitting any ATO  
255 Assessment & Authorization (A&A) identified inconsistencies (i.e., with FedRAMP  
256 authorization, with DCAS authorization), concerns, or issues to DCAS and FedRAMP.

257 **5.3.3.2.2. Suspension and Termination of Task Order(s)**

258 Authorized ordering entities are responsible for evaluating and determining if the findings  
259 and recommendations of an ATO A&A warrants the suspension or termination (i.e.,  
260 termination for cause, termination for convenience) of a TO(s) awarded under this BPA.

261 **5.3.3.3. Cybersecurity Incident Reporting**

262 Authorized ordering entities are responsible for timely reporting cybersecurity incidents to  
263 the BPA Contracting Officer and to their TO(s) authorized vendors to ensure the authorized  
264 vendor can take appropriate mitigating actions.

265 **5.3.3.4. Cybersecurity Testing**

266 Authorized ordering entities are responsible for conducting and performing cybersecurity  
267 (e.g., CIA triad) and operational (e.g., performance, SLAs) testing of the authorized  
268 ordering entities' solutions (e.g., applications, configurations, databases, services, software,  
269 websites) deployed and operating within the cloud services (i.e., IaaS, PaaS, SaaS)  
270 processing, transporting, and / or storing authorized ordering entities data.

271 **5.3.3.4.1. Testing Impacts**

272 Authorized ordering entities are responsible for ensuring that authorized ordering entities  
273 cybersecurity testing activities do not negatively impact the authorized vendors cloud  
274 services (i.e., IaaS, PaaS, SaaS) operations, performance, or security.

275 **5.4. Authorized Reseller**

276 An authorized reseller is an entity that has been explicitly authorized (e.g., contractual  
277 agreement) by a CSP(s) to act as an authorized agent or intermediary (e.g., cloud broker) to  
278 offer, negotiate, and sell, on the behalf of the CSP, the CSP's cloud services.

279 **5.4.1. Authorized Reseller Responsibilities**

280 **5.4.1.1. Legal Authority(ies) Blanket Purchase Agreement**

281 Authorized resellers shall be responsible for ensuring they have the vested authority to  
282 contractually commit the CSP(s) to the applicable laws, regulations, policies, and Terms &  
283 Conditions (T&Cs) of the US, GSA, GSA MAS, and BPA prior to submission of any  
284 proposal(s) in response to a BPA solicitation(s).

285 **5.4.1.2. Legal Authority(ies) Task Order(s)**

286 Authorized resellers shall be responsible for ensuring they have the vested authority to  
287 contractually commit the CSP(s) to the applicable laws, regulations, policies, and T&C of the  
288 US, GSA, GSA MAS, BPA, and TO(s) prior to submission of any proposal(s) in response to  
289 a TO solicitation(s).

290 **5.4.1.3. Notification of Relationship Change(s)**

291 Authorized resellers shall be responsible for immediately notifying the BPA Contracting  
292 Officer on any changes to the relationship (e.g., business, contractual) between the  
293 authorized reseller and CSP(s) (e.g., no longer an authorized reseller).

294 **5.4.1.4. Notification of Terms and Conditions Discrepancies**

295 Authorized resellers shall be responsible for immediately notifying the BPA Contracting  
296 Officer when a conflict, discrepancy, or issue is identified between the applicable laws,  
297 regulations, policies, and T&Cs of the US, GSA, GSA MAS, BPA, or TO(s) and the CSP(s).

298 **5.4.1.5. Verified Product Portal (VPP)**

299 Authorized resellers shall be responsible for ensuring they have been appropriately and  
300 correctly identified, listed, and maintained by the CSP(s) in the GSA VPP.

301 **5.5. Authorized Vendor**

302 An authorized vendor is an entity that has been awarded a BPA award by the BPA  
303 Administering function. An authorized vendor can be either a CSP or an authorized reseller.



304 **5.5.1. Authorized Vendor Responsibilities**

305 **5.5.1.1. Cybersecurity Assessments and Evaluations**

306 **5.5.1.1.1. Coordination**

307 Authorized vendors shall be responsible for coordinating assessment and evaluation  
308 activities with the authorized assessment and evaluation entities. Coordination  
309 responsibilities shall include planning, execution, and post assessment and evaluation  
310 activities (e.g., remediations, POA&Ms).

311 **5.5.1.1.2. Costs**

312 Authorized vendors shall be responsible for their assessment and evaluation costs.

313 **5.5.1.1.3. Findings and Recommendations**

314 Authorized vendors shall be responsible for receiving and reviewing authorized  
315 assessment and evaluation entities' assessment and evaluation findings and  
316 recommendations (e.g., reports).

317 **5.5.1.1.4. Mitigation and Remediation**

318 Authorized vendors shall be responsible for evaluating, determining, and executing the  
319 appropriate mitigation and remediation activities (e.g., fixes, patches, updates) in response  
320 to the findings and recommendations of an assessment and evaluation.

321 **5.5.1.1.5. Public Disclosure and Release**

322 Authorized vendors shall be responsible for reviewing the written notifications from  
323 authorized assessment and evaluation entities including the provided unclassified versions  
324 of the assessment and evaluation findings and recommendations and timely reply, within  
325 30 calendar days, to the authorized assessment and evaluation entities of any concerns or  
326 objections to the public disclosure or release.

327 **5.5.1.2. Cybersecurity Authorization To Operate (ATO)**

328 **5.5.1.2.1. Coordination**

329 Authorized vendors shall be responsible for coordinating ATO A&A activities with the  
330 authorized ordering entities. Coordination responsibilities shall include planning, execution,  
331 and post assessment and evaluation activities (e.g., mitigations, remediations, POA&Ms).

332 **5.5.1.2.2. Costs**

333 Authorized vendors shall be responsible for their ATO A&A costs.

334 **5.5.1.2.3. Findings and Recommendations**

335 Authorized vendors shall be responsible for receiving and reviewing authorized ordering  
336 entities' ATO A&A findings and recommendations (e.g., reports).

337 **5.5.1.2.4. Mitigation and Remediation**

338 Authorized vendors shall be responsible for evaluating, determining, and executing the  
339 appropriate mitigation and remediation activities (e.g., fixes, patches, updates) in response  
340 to the findings and recommendations of an ATO A&A.

341 **5.5.1.3. Notification of Terms and Conditions Discrepancies**

342 Authorized vendors shall be responsible for immediately notifying the BPA Contracting  
343 Officer when a conflict, discrepancy, or issue is identified between the applicable laws,  
344 regulations, policies, and T&Cs of the US, GSA, GSA MAS, BPA, or their TO(s).

345 **5.5.1.4. Performance Conflict Elevation**

346 Authorized vendors shall be responsible for elevating unresolvable performance conflicts  
347 with authorized ordering entities to the BPA Contracting Officer for arbitration and resolution.

348 **5.6. Cloud Service Provider**

349 A CSP is an entity that directly operates and manages the cloud services (i.e., IaaS, PaaS,  
350 SaaS) technology (e.g., facility, hardware, software).

351 **5.6.1. Cloud Service Provider Responsibilities**

352 **5.6.1.1. Cloud Services, Infrastructure as a Service**

353 CSPs providing IaaS cloud services are generally responsible for the Operations and  
354 Maintenance (O&M) of the data center (e.g., physical security, environment monitoring),  
355 network (e.g., routing, switching), storage (e.g., archive, cache, primary, secondary), servers  
356 (e.g., CPU, RAM), and virtualization (e.g., hypervisor, virtual machines).

357 **5.6.1.2. Cloud Services, Platform as a Service**

358 CSPs providing PaaS cloud services are generally responsible for the O&M of the data  
359 center, network, storage, servers, virtualization, operating system, database, and security  
360 (e.g., cybersecurity, Information Assurance).

361 **5.6.1.3. Cloud Services, Software as a Service**

362 CSPs providing SaaS cloud services are generally responsible for the O&M of the data  
363 center, network, storage, servers, virtualization, operating system, database, security, and  
364 applications (e.g., office productivity, accounting).

365 **5.6.1.4. Department of Defense Cloud Authorization Services**  
366 **Authorization(s)**

367 CSPs shall be responsible for obtaining and maintaining DCAS authorization(s) for their  
368 CSO(s) (i.e., IaaS, PaaS, SaaS) in accordance with DCAS regulations and policies.

369 **5.6.1.5. Federal Risk and Authorization Management Program**  
370 **Authorization(s)**

371 CSPs shall be responsible for obtaining and maintaining FedRAMP authorization(s) for their  
372 CSO(s) (i.e., IaaS, PaaS, SaaS) in accordance with FedRAMP regulations and policies.

373 **5.6.1.6. Legal Authority(ies) Blanket Purchase Agreement**

374 CSPs shall be responsible for ensuring the authorized reseller(s) have the vested authority  
375 to contractually commit the CSP to the applicable laws, regulations, policies, and T&C of the  
376 US, GSA, GSA MAS, and BPA prior to submission of any proposal(s) in response to a BPA  
377 solicitation(s).

378 **5.6.1.7. Legal Authority(ies) Task Order(s)**

379 CSPs shall be responsible for ensuring the authorized reseller(s) have the vested authority  
380 to contractually commit the CSP to the applicable laws, regulations, policies, and T&C of the  
381 US, GSA, GSA MAS, BPA, and TO(s) prior to submission of any proposal(s) in response to  
382 a TO solicitation(s).

383 **5.6.1.8. Notification of Ownership Change(s)**

384 CSPs shall be responsible for notifying the BPA Contracting Officer at least 90 calendar  
385 days prior to any changes to their ownership structure.

386 Changes in ownership structure include but are not limited to:

- 387
- 388 • Sale or fraction thereof to foreign entities (e.g., business, corporation, sovereign  
wealth fund) or non-US citizens (i.e., foreigner).
  - 389 • Merger with foreign entities (e.g., business, corporation, sovereign wealth fund) or  
390 non-US citizens (i.e., foreigner).

- 391
- 392
- 393
- Significant changes in foreign entities (e.g., business, corporation, sovereign wealth fund) or non-US citizens (i.e., foreigner) control or influence (e.g., board members, loans, partnership, stock ownership).

394 **5.6.1.9. Notification of Relationship Change(s)**

395 CSPs shall be responsible for immediately notifying the BPA Contracting Officer on any  
396 changes to the relationship (e.g., business, contractual) between the CSP and their  
397 authorized reseller(s) (e.g., no longer an authorized reseller).

398 **5.6.1.10. Notification of Terms and Conditions Discrepancies**

399 CSPs shall be responsible for immediately notifying the BPA Contracting Officer when a  
400 conflict, discrepancy, or issue is identified between the applicable laws, regulations, policies,  
401 and T&C of the US, GSA, GSA MAS, BPA, or TO(s) and the CSP.

402 **5.6.1.11. Verified Product Portal**

403 CSPs shall ensure they have appropriately and correctly identified, listed, and maintained  
404 their authorized reseller(s) in the GSA VPP.

405 **5.7. Department of Defense Cloud Authorization**  
406 **Services**

407 DCAS supports the DoD with a standardized approach to security assessments,  
408 authorizations, and continuous monitoring for cloud services (i.e., IaaS, PaaS, SaaS).

409 **5.7.1. Department of Defense Cloud Authorization Services**  
410 **Responsibilities**

411 **5.7.1.1. Cybersecurity Assessments and Evaluations**

412 **5.7.1.1.1. Findings and Recommendations**

413 DCAS is responsible for receiving and reviewing authorized assessment and evaluation  
414 entities' assessment and evaluation findings and recommendations (e.g., reports).

415 **5.7.1.1.1.1. Suspension and Termination of Authorization(s)**

416 DCAS is responsible for evaluating and determining if the findings and recommendations  
417 of an assessment and evaluation warrants the suspension or termination of a DCAS  
418 authorization(s) for a CSO(s).

419 **5.7.1.1.1.1.1. Suspension and Termination Communications**

420 DCAS is responsible for communicating to the BPA Contracting Officer, CSPs, and  
421 authorized ordering entities that DCAS has suspended or terminated a DCAS  
422 authorization for a CSO(s).

423 **5.7.1.2. Cybersecurity Authorization To Operate (ATO)**

424 **5.7.1.2.1. Findings and Recommendations**

425 DCAS is responsible for receiving and reviewing authorized ordering entities reported  
426 ATO A&A inconsistencies (i.e., with DCAS authorization), concerns, and issues.

427 **5.7.1.2.1.1. Suspension and Termination of Authorization(s)**

428 DCAS is responsible for evaluating and determining if the authorized ordering entities'  
429 ATO A&A inconsistencies (i.e., with DCAS authorization), concerns, or issues warrant  
430 the suspension or termination of a DCAS authorization(s) for a CSO(s).

431 **5.7.1.2.1.2. Suspension and Termination Communications**

432 DCAS is responsible for communicating to the BPA Contracting Officer, CSPs, and  
433 authorized ordering entities that DCAS has suspended or terminated a DCAS  
434 authorization for a CSO(s).

435 **5.7.1.3. Department of Defense Cloud Authorization Services**  
436 **Authorization**

437 DCAS is solely responsible for the issuance, monitoring, and revocation of DCAS  
438 authorizations for CSOs.

439 **5.7.1.3.1. Department of Defense Cloud Authorization Services Impact Level**

440 DCAS is solely responsible for the DCAS authorization Impact Level (IL) (i.e, 2, 4, 5, 6)  
441 for DCAS authorized CSOs.

442 **5.7.1.3.2. Department of Defense Cloud Authorization Services Service Model**  
443 **Classification**

444 DCAS is solely responsible for the DCAS service model classification (i.e, IaaS, PaaS,  
445 SaaS) for DCAS authorized CSOs.

446 **5.8. Federal Risk and Authorization Management**  
447 **Program**

448 FedRAMP is a US Government-wide program that provides a standardized approach to  
449 security assessments, authorizations, and continuous monitoring for cloud services (i.e.,  
450 IaaS, PaaS, SaaS).

451 **5.8.1. Federal Risk and Authorization Management Program**  
452 **Responsibilities**

453 **5.8.1.1. Cybersecurity Assessments and Evaluations**

454 **5.8.1.1.1. Findings and Recommendations**

455 FedRAMP is responsible for receiving and reviewing authorized assessment and  
456 evaluation entities' assessment and evaluation findings and recommendations (e.g.,  
457 reports).

458 **5.8.1.1.1.1. Suspension and Termination of Authorizations**

459 FedRAMP is responsible for evaluating and determining if the findings and  
460 recommendations of an assessment and evaluation warrants the suspension or  
461 termination of a FedRAMP authorization(s) for a CSO(s).

462 **5.8.1.1.1.1.1. Suspension and Termination Communications**

463 FedRAMP is responsible for communicating to the BPA Contracting Officer, CSPs, and  
464 authorized ordering entities that FedRAMP has suspended or terminated a FedRAMP  
465 authorization for a CSO(s).

466 **5.8.1.2. Cybersecurity Authorization To Operate**

467 **5.8.1.2.1. Findings and Recommendations**

468 FedRAMP is responsible for receiving and reviewing authorized ordering entities  
469 reported ATO A&A inconsistencies (i.e., with FedRAMP authorization), concerns, and  
470 issues.

471 **5.8.1.2.1.1. Suspension and Termination of Authorization(s)**

472 FedRAMP is responsible for evaluating and determining if the authorized ordering  
473 entities' ATO A&A inconsistencies (i.e., with FedRAMP authorization), concerns, or  
474 issues warrant the suspension or termination of a FedRAMP authorization(s) for a  
475 CSO(s).

#### 476 **5.8.1.2.1.1.1. Suspension and Termination Communications**

477 FedRAMP is responsible for communicating to the BPA Contracting Officer, CSPs, and  
478 authorized ordering entities that FedRAMP has suspended or terminated a FedRAMP  
479 authorization for a CSO(s).

#### 480 **5.8.1.3. Federal Risk and Authorization Management Program** 481 **Authorization**

482 FedRAMP is solely responsible for the issuance, monitoring, and revocation of  
483 FedRAMP authorizations for CSOs.

#### 484 **5.8.1.3.1. Federal Risk and Authorization Management Program Impact Level**

485 FedRAMP is solely responsible for the FedRAMP authorization IL (i.e, Light Impactl-  
486 SaaS, Low, Moderate, High) for FedRAMP authorized CSOs.

#### 487 **5.8.1.3.2. Federal Risk and Authorization Management Program Service Model** 488 **Classification**

489 FedRAMP is solely responsible for the FedRAMP service model classification (i.e, IaaS,  
490 PaaS, SaaS) for FedRAMP authorized CSOs.

## 491 **6. Blanket Purchase Agreement Parameters**

### 492 **6.1. Associate Contractor Agreement (ACA)**

493 Authorized vendors may be required to enter into ACA for TO(s) awarded under this BPA  
494 requiring joint participation in the accomplishment of the authorized ordering entities'  
495 requirement.

496 The agreements shall include the basis for sharing information, data, technical knowledge,  
497 expertise, or resources.

498 ACA shall include the following minimum information:

- 499 ● Identify the associate contractors (e.g., authorized vendors) and their relationships.
- 500 ● Identify the cloud services (i.e., IaaS, PaaS, SaaS) involved and the relevant  
501 contracts (e.g., TOs) of the associate contractors.
- 502 ● Describe the associate contractor's interfaces by general subject matter.
- 503 ● Identify for information to be accessed, exchanged, and / or supported:
  - 504 ○ Categories of information (e.g., business, financial, operational, PII,  
505 proprietary, security, technical).
  - 506 ○ Classification of information (i.e., Unclassified, CUI, Confidential, Secret, Top  
507 Secret).

- 508 ○ Ownership of information (e.g., associate contractor, government agency).
- 509 ○ Access means and mechanisms for information (e.g., APIs, Electronic DIs).
- 510 ○ Access controls means and mechanisms for the information.
- 511 ○ Retention and destruction policies for the information.
- 512 ● Include the expiration date (or event) of the ACA.
- 513 ● Identify potential conflicts between relevant contracts (e.g., TOs) and the ACA.
- 514 ● Include agreements on protection of proprietary data and restrictions on employees.

515 Authorized vendors shall provide copies of ACA to:

- 516 ● TO(s) ACO(s);
- 517 ● TO(s) ISR(s);<sup>13</sup>
- 518 ● Authorized Ordering Entities' CDO(s);
- 519 ● Authorized Ordering Entities' CIO(s); and
- 520 ● Authorized Ordering Entities' CISO(s)

521 for review and approval prior to execution of the ACA by associate contractors.

522 Authorized vendors shall ensure all data and information sharing is in accordance with BPA  
523 and TO(s) data and cybersecurity requirements.

524 Authorized vendors are not relieved of any BPA or TO(s) requirements or entitled to any  
525 adjustments to the BPA or TO(s) because of a failure to resolve a disagreement with an  
526 associate contractor.

527 Liability for the improper disclosure of any proprietary data contained in or referenced by any  
528 ACA shall rest with the parties to the ACA, and not the authorized ordering entities.

### 529 **6.1.1. Task Order(s), Associate Contractor Agreements**

530 All costs associated with the ACA are to be included in authorized vendors' proposals and / or  
531 negotiated costs at the TO level.

532 Authorized ordering entities are responsible for identifying their ACA requirements (e.g.,  
533 contractors) at the TO level.

## 534 **6.2. Clearance Levels - Facility**

535 Facility Clearance Levels (FCLs) for the BPA are defined as follows:

### 536 **6.2.1. United States Federal Government**

<b>Table 3: US Federal Government Facility Clearance Levels</b>
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<sup>13</sup> Facility Clearance



Facility Clearance Level	Definition
None	Authorized vendor has been awarded a TO requiring no access to Confidential, Secret, or Top Secret information.
Confidential	Authorized vendor has been awarded a Confidential TO requiring access to Confidential information.
Secret	Authorized vendor has been awarded a Secret TO requiring access to Secret information.
Top Secret	Authorized vendor has been awarded a Top Secret TO requiring access to Top Secret information.

537 **6.2.2. Task Order(s), Clearance Levels - Facility**

538 Authorized ordering entities are responsible for identifying their facility clearance requirements  
539 at the TO level.

540 **6.3. Clearance Levels - Personnel**

541 Authorized vendors' persons (e.g., employees, representatives, sub-contractors) may be  
542 required to successfully complete an investigation and obtain the issuance of a clearance  
543 level (e.g., security clearance) based on the authorized vendors' persons' (e.g., employees,  
544 representatives, sub-contractors) access or permissions to sensitive information or  
545 information Systems (IS).

546 Personnel clearance levels for the BPA are defined as follows:

547 **6.3.1. United States Federal Government**

<b>Table 4 US Federal Government Personnel Clearance Levels</b>	
Clearance Level	Investigations
Tier 1 (T1) Non-Sensitive Positions - Low Risk	National Agency Check and Inquiries (NACI)
Tier 2 (T2) Non-Sensitive Public Trust Positions - Moderate Risk	Moderate Risk Background Investigation (MBI)
Tier 4 (T4) Non-Sensitive Public Trust Positions - High Risk	Background Investigation (BI)

Tier 3 (T3) National Security Positions - Secret / Confidential Clearance	National Agency Check with Law and Credit (NACLIC)
Tier 5 (T5) National Security Positions - Top Secret Clearance	Single Scope Background Investigation (SSBI)

548

549 **6.3.1.1. Security Clearance Reciprocity**

550 United States Federal Government authorized ordering entities shall accept via reciprocity  
551 security clearances adjudicated and issued by authorized investigative services (e.g.,  
552 DCSA) in accordance with *Intelligence Reform and Terrorism Prevention Act (IRTPA) of*  
553 *2004, Public Law 108-458, Sec. 3001 Security clearances.*

554 **6.3.2. Task Order(s), Clearance Levels - Personnel**

555 Authorized ordering entities are authorized to identify additional personnel clearance level  
556 requirements at the TO level.

557 **6.4. Commercial Products**

558 The procurement of "commercial products",<sup>14</sup> inclusive of active and passive hardware  
559 appliances and devices, are not authorized to be procured under this BPA.

560 **6.5. Commercial Services**

561 All cloud services (i.e., IaaS, PaaS, SaaS) and cloud related IT professional services offered  
562 under this BPA by authorized vendors and procured under awarded TO(s) by authorized  
563 ordering entities shall be categorized and classified as "commercial services" as defined by  
564 41 U.S.C. 103a<sup>15</sup> and FAR 2.101<sup>16</sup> and shall adhere to all applicable federal acquisitions

<sup>14</sup> FAR 2.101 Definitions, Commercial product

<sup>15</sup> 41 U.S.C. 103a PUBLIC CONTRACTS, Commercial Service

<sup>16</sup> FAR 2.101 Definitions, Commercial service

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laws,<sup>17, 18, 19, 20, 21, 22, 23, 24</sup> regulations,<sup>25, 26</sup> and policies pertaining to the acquisition of "commercial services."

Cloud services and cloud related IT professional services shall be:

- Funded at time of services execution (e.g., service delivery).
- Furnished (e.g., service delivery) only within executed PoPs (i.e., PoP start date - PoP end date).
- Paid for in arrears.<sup>27</sup>

573

## 6.6. Contractor Team Arrangements (CTAs)

574  
575

The allowance or non-allowance of CTAs at the BPA award level will be per the following table:

Table 5: BPA Contractor Team Arrangements		
Allowed / Not Allowed	Pool	Title
Not Allowed	1	Infrastructure as a Service, Platform as a Service
Not Allowed	1-1	Unclassified Infrastructure as a Service, Platform as a Service
Not Allowed	1-2	Classified Infrastructure as a Service, Platform as a Service
Not Allowed	2	Software as a Service
Allowed	3	Cloud Related IT Professional Services

576

<sup>17</sup> 10 U.S.C. 2306c ARMED FORCES, Multiyear contracts: acquisition of services

<sup>18</sup> 10 U.S.C. 2410a ARMED FORCES, Contracts for periods crossing fiscal years: severable service contracts; leases of real or personal property

<sup>19</sup> 31 U.S.C. 3324 MONEY AND FINANCE, Advances

<sup>20</sup> 41 U.S.C. 3902 PUBLIC CONTRACTS, Severable services contracts for periods crossing fiscal years

<sup>21</sup> 41 U.S.C. 3903 PUBLIC CONTRACTS, Multiyear contracts

<sup>22</sup> Principles of Federal Appropriations Law

<sup>23</sup> Principles of Federal Appropriations Law, Volume I, Chapter 5 Availability of Appropriations: Time, B. The Bona Fide Needs Rule

<sup>24</sup> Principles of Federal Appropriations Law, Volume II, Chapter 6 Availability of Appropriations: Amount, C. The Antideficiency Act

<sup>25</sup> FAR 2.101 Definitions

<sup>26</sup> 13 CFR 121.1203(d)(3) When will a waiver of the Nonmanufacturer Rule be granted for an individual contract?

<sup>27</sup> 31 U.S.C. 3324 MONEY AND FINANCE, Advances

577 **Note:** This BPA restricts more than one authorized vendor to deliver a single CSP's CSOs (i.e.,  
 578 cloud service catalog). Therefore, CTAs within Pool 1 and Pool 2 for a single CSP are not  
 579 allowed. If a multiple CSP solution (e.g., multi-cloud solution) is required by an authorized  
 580 ordering agency, then a CTA between different ASCEND BPA authorized vendors would be  
 581 allowed at the TO level to meet the authorized ordering entities requirements.

582 **6.6.1. Task Order(s), Contractor Teaming Arrangements**

583 The allowance or non-allowance of CTAs at the TO level will be per the following table:

<b>Table 6: TO Contractor Team Arrangements</b>		
<b>Allowed / Not Allowed</b>	<b>Pool</b>	<b>Title</b>
Allowed (Hybrid / Multi-Cloud)	1	Infrastructure as a Service, Platform as a Service
Allowed (Hybrid / Multi-Cloud)	1-1	Unclassified Infrastructure as a Service, Platform as a Service
Allowed (Hybrid / Multi-Cloud)	1-2	Classified Infrastructure as a Service, Platform as a Service
Allowed (Multiple Applications)	2	Software as a Service
Allowed	3	Cloud Related IT Professional Services

584 **Note:** This BPA restricts more than one authorized vendor to deliver a single CSP's CSOs (i.e.,  
 585 cloud service catalog). Therefore, CTAs within Pool 1 and Pool 2 for a single CSP are not  
 586 allowed. If a multiple CSP solution (e.g., multi-cloud solution) is required by an authorized  
 587 ordering agency, then a CTA between different ASCEND BPA authorized vendors would be  
 588 allowed at the TO level to meet the authorized ordering entities requirements.

589 **6.7. Cooperative Purchasing Program**

590 Authorized vendors may be authorized and participate in the Cooperative Purchase  
 591 Program under *MAS SIN 518210C Cloud Computing and Cloud Related IT Professional*  
 592 *Services.*

593 **6.8. Disaster Purchasing Program**

594 Authorized vendors may be authorized and participate in the Disaster Purchase Program  
 595 under *MAS SIN 518210C Cloud Computing and Cloud Related IT Professional Services.*

596 **6.8.1. Task Order(s), Disaster Purchasing Program**

597 TO award(s) under the Disaster Purchasing Program shall include the following language:

598 *This order is placed under GSA Federal Supply Schedule number <Insert Number Here>*  
599 *under the authority of the GSA Disaster Purchasing program. The products and services*  
600 *purchased will be used in preparation or response to disasters or recovery from major*  
601 *disaster declared by the President, or recovery from terrorism or nuclear, biological,*  
602 *chemical, or radiological attack.*

## 603 **6.9. Utilization Based Discounts**

604 Authorized vendors may offer and propose utilization-based discounts, at the BPA TO  
605 award level, that allows authorized ordering entities to earn utilization-based discounts in  
606 one PoP and apply those discounts to the next PoP (e.g., option period) for cloud services  
607 (i.e., IaaS, PaaS, SaaS).<sup>28, 29</sup>

608 Utilization based discounts shall comply with the following conditions:

- 609 ● Earning utilization-based discounts cannot be contingent or otherwise dependent on  
610 an authorized ordering entity executing the next PoP.
  - 611 ○ The utilization-based discounts are null and void and have no monetary value  
612 if an authorized ordering entity decides not to execute a future PoP.
- 613 ● Authorized ordering entities shall retain the independent right to determine if it is  
614 advantageous (i.e., in the best interest) for the authorized ordering entity to execute  
615 a PoP.<sup>30</sup>
  - 616 ○ Authorized ordering entities are allowed to consider the earned utilization-  
617 based discounts as part of the authorized ordering entities' advantageous  
618 evaluations.
- 619 ● Earning utilization-based discounts must be based on the direct utilization of cloud  
620 services by authorized ordering entities.
  - 621 ○ Utilization-based discounts can be based on authorized ordering entities  
622 reaching usage thresholds or tiers for cloud services.
  - 623 ○ Utilization-based discounts can be based on the difference between TO  
624 awarded price and actual cost differences (e.g., cost avoidance, cost savings,  
625 price reductions) for cloud services.
  - 626 ○ Utilization-based discounts can be based on temporary generally available  
627 promotions (e.g., sales).
  - 628 ○ Utilization-based discounts cannot be based on unexpensed obligations.
- 629 ● Earned utilization-based discounts do not modify or otherwise change the TO  
630 awarded prices for cloud services.
  - 631 ○ Authorized vendors shall invoice authorized ordering entities for cloud  
632 services based on TO awarded prices.
  - 633 ○ Authorized ordering entities shall pay invoices based on TO awarded prices.

<sup>28</sup> Principles of Federal Appropriations Law, Volume I, Chapter 5 Availability of Appropriations: Time, B. The Bona Fide Needs Rule, 8. Multiyear Contracts, c. Fiscal Year Appropriations

<sup>29</sup> B-164908(2), JANUARY 31, 1969, 48 COMP. GEN. 497

<sup>30</sup> FAR 17.207 Exercise of Options

- 634 ○ Utilization-based discounts are compatible and combinable with
- 635 Requirements Contracts<sup>31</sup>
- 636 ● Earned utilization-based discounts are at the CLIN level.
- 637 ○ Earned utilization-based discounts must be applied to similarly scoped CLINs
- 638 (e.g., Compute CLIN to Compute CLIN) in the next PoP.
- 639 ○ Earned-utilization based discounts applied to the next PoP are applied first to
- 640 costs incurred.
- 641 ○ Earned-utilization based discounts have no monetary value and are null and
- 642 void at the end of TO performance period.
- 643 ○ Earned-utilization based discounts are not federal appropriations (e.g., 1
- 644 year, No Year appropriations).

## 645 **6.10. Government-Furnished Information (GFI)**

646 The provisions affecting GFI under this BPA shall be in accordance with *FAR 52.204-21*  
647 *Basic Safeguarding of Covered Contractor Information Systems*.

648 Authorized vendors may be issued or granted access to GFI.

649 Authorized vendors shall be responsible and accountable for all GFI and shall take all  
650 reasonable precautions and such other actions as may be directed by the authorized  
651 ordering entities, or in the absence of such direction, in accordance with sound business  
652 practice to secure, safeguard, and protect GFI in the authorized vendors possession or  
653 custody.

654 Authorized vendors shall not use GFI for any other purposes than those described in their  
655 awarded TO(s).

656 Authorized vendors shall not mark or affix any decals, emblems, or watermarks portraying  
657 the authorized vendor's name or logo to GFI except as directed by the authorized ordering  
658 entities.

659 Authorized vendors shall not remove any markings or affixed decals, emblems, or  
660 watermarks (e.g., classification markings) from the GFI except as directed by the authorized  
661 ordering entities.

662 Authorized vendors shall not remove GFI from authorized ordering entities IS, facilities, or  
663 other supported areas without the review and written approval of the authorized ordering  
664 entities.

665 Authorized vendors shall not distribute, publish, or otherwise share or grant access to GFI  
666 with third parties or unauthorized parties without the review and written approval of the  
667 authorized ordering entities

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<sup>31</sup> FAR 16.503 Requirements contracts

668 **6.10.1. Controlled Unclassified Information**

669 Authorized vendors may be issued or granted access to CUI.

670 Authorized vendors shall be responsible and accountable for all CUI and shall ensure CUI is  
671 secure, safeguarded, and protected in accordance with *NIST, SP 800-171 Rev.2: Protecting*  
672 *Controlled Unclassified Information in Nonfederal Systems and Organizations*,<sup>32</sup> *NIST, SP*  
673 *800-172: Enhanced Security Requirements for Protecting Controlled Unclassified*  
674 *Information: A Supplement to NIST Special Publication 800-171* and *DoDI 8582.01: Security*  
675 *of Non-DoD Information Systems Processing Unclassified Nonpublic DoD Information*.<sup>33</sup>

676 **6.10.2. Task Order(s), Government-Furnished Information**

677 Authorized ordering entities are authorized to identify additional GFI requirements at the TO  
678 level.<sup>34, 35</sup>

679 **6.11. Government-Furnished Property (GFP)**

680 The provisions affecting GFP under this BPA shall be in accordance with *FAR 52.245-1*  
681 *Government Property*.

682 Authorized vendors may be issued GFP that includes both real (e.g., laptops, mobile  
683 devices) and digital property (e.g., accounts, certificates, security tokens) and GFI.

684 Authorized vendors shall be responsible and accountable for all GFP and shall take all  
685 reasonable precautions and such other actions as may be directed by the authorized  
686 ordering entities, or in the absence of such direction, in accordance with sound business  
687 practice to secure, safeguard, and protect GFP in the authorized vendors possession or  
688 custody.

689 Authorized vendors shall not use GFP for any other purposes than those described in their  
690 awarded TO(s).

691 Authorized vendors shall not mark or affix any decals, emblems, or signs portraying the  
692 authorized vendor's name or logo to GFP except as directed by the authorized ordering  
693 entities.

694 Authorized vendors shall not remove any markings or affixed decals, emblems, or signs  
695 (e.g., classification markings) from the GFP except as directed by the authorized ordering  
696 entities.

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<sup>32</sup> NIST, SP 800-171A: Assessing Security Requirements for Controlled Unclassified Information

<sup>33</sup> DFARS 252.204-7012 Safeguarding Covered Defense Information and Cyber Incident Reporting

<sup>34</sup> DFARS 252.204-7012 Safeguarding Covered Defense Information and Cyber Incident Reporting

<sup>35</sup> DFARS 252.227-7025 Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends

697 Authorized vendors shall not remove GFP from authorized ordering entities facilities or other  
698 supported areas without the review and written approval of the authorized ordering entities.

699 Authorized vendors shall not provide or otherwise share or grant access to GFP with third  
700 parties or unauthorized parties without the review and written approval of the authorized  
701 ordering entities.

### 702 6.11.1. Task Order(s), Government-Furnished Property

703 Authorized ordering entities are authorized to identify additional GFP requirements at the TO  
704 level

## 705 6.12. Geographic Locations

706 Geographic locations for the BPA are defined as follows:

Table 7: Geographic Locations	
Geographic Location	Definition
CONUS	Contiguous 48 states and the DC
GSA Region 1 New England	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
GSA Region 2 Northeast and Caribbean	New Jersey, New York, Puerto Rico, Virgin Islands
Region 3 Mid-Atlantic	Delaware, Maryland, Pennsylvania, Virginia, West Virginia
GSA Region 4 Southeast Sunbelt	Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee
GSA Region 5 Great Lakes	Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin
GSA Region 6 The Heartland	Iowa, Kansas, Missouri, Nebraska
GSA Region 7 Greater Southwest	Arkansas, Louisiana, New Mexico, Oklahoma, Texas
GSA Region 8 Rocky Mountain	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
GSA Region 9 Pacific Rim	American Samoa, Arizona, California, Guam, Hawaii, Nevada



GSA Region 10 Northeast Arctic	Alaska, Idaho, Oregon, Washington
GSA Region 11 National Capital	Washington, District of Columbia (DC), Metropolitan Area
OCONUS	Africa, Alaska, Antarctica, Asia, Australia, Canada, Caribbean, Central America, Europe, Greenland, Hawaii, Middle East, Mexico, Oceania, South America

707 **6.12.1. Task Order(s), Geographic Locations Requirements**

708 Authorized ordering entities should identify their geographic locations or subset thereof (e.g.,  
709 state, metropolitan area) requirements at the TO level.

710 **6.13. Information Classification Levels**

711 Information classification levels for the BPA are defined as follows:

712 **6.13.1. United States Federal Government**

<b>Table 8: US Federal Government Information Classification Levels</b>	
<b>Information Classification Level</b>	<b>Definition</b>
Unclassified	Information that is authorized for public disclosure.
Controlled Unclassified Information	Information that requires by a law, regulation, or Government-wide policy safeguarding or dissemination controls.
Confidential	Information that the unauthorized disclosure of which reasonably could be expected to cause damage to national security.
Secret	Information that the unauthorized disclosure of which reasonably could be expected to cause serious damage to national security.
Top Secret	Information that the unauthorized disclosure of which reasonably could be expected to cause exceptionally grave damage to national security.

713 **6.13.2. Task Order(s), Information Classification Levels**

714 Authorized ordering entities should identify their information classification level requirements  
715 at the TO level.

716 **6.14. Non-Personal Services**

717 Authorized vendors shall only provide non-personal services under this BPA as defined  
718 under FAR Part 37.101.

719 No employer-employee relationship shall be implied or exist under this BPA between  
720 authorized ordering entities and authorized vendors' persons (e.g., employees,  
721 representatives, sub-contractors).

722  
723 Under this BPA authorized vendors' persons shall not:

- 724 ● Be placed in a position where they are under the administration, command, control,  
725 direction, evaluation, or supervision of an authorized ordering entity.
- 726 ● Be placed in a position of administration, command, control, direction, evaluation, or  
727 supervision over an authorized ordering entity's persons (e.g., employees, elected  
728 officials, military personnel, political appointees).
- 729 ● Be placed in a position of administration, command, control, direction, evaluation, or  
730 supervision over an authorized ordering entity's other contracted persons (e.g.,  
731 employees, representatives, sub-contractors).
- 732 ● Be placed in a position where they are appointed or employed by an authorized  
733 ordering entity.
- 734 ● Be placed in a staff or policy making position.
- 735 ● Be part of an authorized ordering entity's organization.
- 736 ● Be used for the purpose of avoiding manpower ceilings or other personnel rules and  
737 regulations applicable to authorized ordering entities.
- 738 ● Be used in the administration or supervision of authorized ordering entities  
739 procurement activities.

740 Rules, regulations, directions, and requirements that are issued by authorized ordering  
741 entities command authorities under their responsibility for administration, good order, public  
742 health, and security are applicable to all authorized vendors' persons who enter any  
743 authorized ordering entities facilities (e.g., government buildings, military installations), or  
744 who travel on authorized ordering entities transportation (e.g., aircraft, ships, vehicles). This  
745 is not to be construed or interpreted to establish any degree of authorized ordering entities  
746 control that is inconsistent with non-personal services.

747 **6.14.1. Task Order(s), Non-Personal Services**

748 Authorized ordering entities are authorized to identify additional non-personal services  
749 limitations and restrictions at the TO level.

750 **6.15. On-boarding Authorized Vendors**

751 Administrative agency Contracting Officer may on-board authorized vendors to the BPA  
752 during an established open season during the BPA ordering period for any pool or sub-  
753 pools. Any open season periods will be at the discretion of the Administrative Agency  
754 Contracting Officer.

755  
756 Any contractor that meets the eligibility requirements set forth in an Open Season RFQ may  
757 submit a quotation in response to the RFQ. Any resulting awards shall incorporate the  
758 current terms and conditions as the existing BPAs, but may adjust the evaluation criteria to  
759 better respond to GSA customer needs. The BPA period of performance for Open Season  
760 awardees shall be concurrent with the existing BPA performance period of all other  
761 contractors under the vehicle. Such criteria could be determined when:

- 762
- 763 ● Required by laws, regulations, or policies.
- 764 ● Administrative agency determines increased capacity is required.
- 765 ● Administrative agency determines increased competition is required.
- 766 ● Administrative agency determines increased small business and socioeconomic  
767 participation is available or required.
- 768 ● Administrative agency determines increased innovation (e.g., business, operations,  
769 security, technology) is available.
- 770

771 Authorized vendors shall be immediately eligible, on BPA awards resulting from open  
772 season solicitations, to submit proposals in response to BPA TO solicitations and receive  
773 TO awards with the same rights and obligations as all other BPA authorized vendors.

774 Contractors are hereby notified that utilization of any on-ramping procedure below does not  
775 obligate the Government to perform any other on-ramping procedure.

776  
777 **6.16. Off-boarding Authorized Vendors**

778 Administrative agency Contracting Officer shall have the unilateral authority to off-board  
779 authorized vendors from the BPA, when an off-boarding event occurs during the BPA  
780 ordering period and BPA PoP.

781  
782 Authorized vendors that have been off-boarded from the BPA shall not participate in any  
783 active solicitation (e.g., proposal submission, proposal evaluation) and shall have their  
784 awarded TO under the BPA terminated for cause.

785  
786 Authorized vendors may be Off-ramped from the BPA under one of the following conditions:

- 787 ● Debarment, Suspension, or Ineligibility as defined in FAR Subpart 9.4.
- 788 ● Termination as defined in FAR Part 49.

- Contractors who fail to meet the standards of performance objectives, deliverables, or compliances. (e.g., maintaining DoD or FedRAMP authorizations)
- Taking any other action which may not be permitted or non-compliant under the BPA terms and conditions (e.g., failure to maintain certification, authorization).
- Criminal conviction, settlement, or indictment
- Failure to timely resolve / mitigate cybersecurity vulnerabilities (e.g., National Vulnerability Database)
- Failure to report cybersecurity incidents in accordance with federal regulations
- Failure to Submit Competitive Proposals 75% of the time during Single Period of Performance (PoP)

## 6.17. Order of Precedence

Any ambiguities or inconsistency in this BPA or awarded TO(s) shall be resolved by giving precedence<sup>36</sup> in the following order:

Order of Precedence	Title
1.	U.S.C.
2.	FAR
3.	GSA, MAS
4.	GSA, MAS, Information Technology
5.	GSA, MAS, IT, SIN 518210C Cloud Computing and Cloud Related IT Professional Services
6.	ASCEND BPA
7.	ASCEND TO
8.	Authorized Vendors' Commercial SLA

## 6.18. Travel

The provisions affecting international air travel under this BPA shall be in accordance with *FAR 47.4 Air Transportation by U.S.-Flag Carriers*.

Travel is authorized under this BPA.

<sup>36</sup> Lower the number, higher the precedence (i.e., 1 is the highest).

810 Travel by authorized vendors, inclusive of persons (e.g., employees, representatives, sub-  
811 contractors), shall be pre-approved (i.e., in advance) by the authorized ordering entities.

#### 812 **6.18.1. Task Order(s), Travel**

813 Authorized ordering entities are authorized to identify additional travel requirements at the  
814 TO level.

### 815 **6.19. Travel Costs**

816 The provisions affecting travel costs under this BPA shall be in accordance with *FAR*  
817 *31.205-46 Travel Costs*.

#### 818 **6.19.1. Task Order(s), Travel Costs**

819 Authorized ordering entities are authorized to identify additional travel costs requirements at  
820 the TO level.

## 821 **7. General Requirement**

### 822 **7.1. Accounts - Cloud Service Provider**

#### 823 **7.1.1. Access and Permissions**

824 Authorized ordering entities are solely responsible for controlling, denying, granting,  
825 managing, and revoking user access and user permissions (e.g., read, write, execute) to the  
826 authorized ordering entities' CSP accounts (e.g., master, primary, root).

827 Authorized ordering entities are responsible for providing CSP accounts access and  
828 permissions to authorized vendors as required.

##### 829 **7.1.1.1. Task Order(s), Access and Permissions**

830 Authorized ordering entities are authorized to identify their account access and permission  
831 requirements (e.g., personnel qualifications, approval process) at the TO level.<sup>37</sup>

#### 832 **7.1.2. Independent**

833 Authorized ordering entities' CSP accounts (e.g., master, primary, root) shall remain  
834 individually distinct, independent, and isolated from other CSP accounts.

---

<sup>37</sup> NIST, SP 800-210: General Access Control Guidance for Cloud Systems

835 Authorized vendors shall not combine or commingle authorized ordering entities' CSP  
836 accounts (e.g., master, primary, root) with other accounts.

### 837 **7.1.3. Linking**

838 Authorized ordering entities are solely responsible for controlling, denying, granting,  
839 managing, and revoking the linking of CSP accounts (e.g., master, primary, root).

#### 840 **7.1.3.1. Task Order(s), Linking**

841 Authorized ordering entities are authorized to identify their linking requirements (e.g.,  
842 approval process) at the TO level.

### 843 **7.1.4. Ownership**

844 Authorized ordering entities CSP accounts (e.g., master, primary, root) shall be solely  
845 owned, registered to, or otherwise titled to the authorized ordering entities.

### 846 **7.1.5. Portability**

847 Authorized ordering entities' CSP accounts (e.g., master, primary, root) shall be portable  
848 (e.g., movable to another reseller) without restrictions, limitations, or operational impacts.

## 849 **7.2. Banner and Consent to Monitor**

850 Authorized vendors cloud services (i.e., IaaS, PaaS, SaaS) shall display a banner (e.g.,  
851 window), as required by the authorized ordering entity, containing mandatory notice of and  
852 consent to monitoring provisions which may consist of text (i.e., letters, numbers,  
853 punctuation), graphics, and URLs (i.e., web addresses).

854 The banner shall be implemented and displayed post authentication (e.g., login, logon) but  
855 prior to access being granted to the cloud services.

856 The banner shall require affirmative / positive acceptance and agreement by designated  
857 action (e.g., click box, text entry box) prior to access being granted to the cloud services.

858 The banner size and content (i.e., mandatory notice of and consent to monitoring provisions)  
859 shall be customizable based on the end user device type and screen size (e.g., desktop  
860 monitor, laptop, tablets, smartphones).

### 861 **7.2.1. Task Order(s), Banner and Consent to Monitor**

862 Authorized ordering entities best practice is to identify their banner content requirements  
863 (i.e., mandatory notice of and consent to monitoring provisions) at the TO level.

864 **7.3. Cloud Related IT Professional Services Location**

865 Cloud related IT professional services shall be provided from and within the sovereignty and  
866 jurisdiction of the US and shall be limited to the 50 States, DC, and Territories unless the  
867 authorized ordering entity supports OCONUS operations and has an authorized exemption  
868 to this policy that supports establishment of an alternate geographic location requirement.  
869 DoD, DoS, and Intelligence Community (IC) can be authorized an exemption to the  
870 geographic location requirements and cloud related IT professional services to be performed  
871 outside the sovereignty of the US and in foreign jurisdiction(s) (e.g., military installations,  
872 embassies) in accordance with DoD, DoS, and IC applicable laws, regulations, and  
873 policies.<sup>38, 39</sup>

874 **7.3.1. Task Order(s), Cloud Related IT Professional Services**  
875 **Location**

876 Authorized ordering entities are responsible for identifying their cloud related IT professional  
877 services location requirements, along with any required authorized ordering entities  
878 exemption or waiver approvals, at the TO level.

879 **7.4. Deliverables Ownership**

880 Deliverables to authorized ordering entities, upon receipt and acceptance, shall be owned  
881 without restrictions by the authorized ordering entities.

882 Authorized ordering entities shall have the right to use, disclose, reproduce, prepare  
883 derivative works, distribute copies to the public, and perform publicly and display publicly, in  
884 any manner and for any purpose, and to have or permit others to do so.

885 Acquisition sensitive deliverables (e.g., financial, administrative, cost or pricing) shall be  
886 controlled and managed in accordance with applicable laws and regulations.

887 Deliverables appropriately marked by authorized vendors as containing proprietary  
888 information shall be controlled and managed in accordance with applicable laws and  
889 regulations.

---

<sup>38</sup> DFARS 239.7602-2: Required storage of data within the United States or outlying areas

<sup>39</sup> DOS Foreign Affairs Handbook, 5 FAH-8 H-354, Cloud Computing Security

890 **7.5. Environmental**

891 **7.5.1. Electronic Waste Recycling**

892 Authorized vendors shall recycle their electronic waste (i.e., e-Waste) using an e-Stewards®  
893 or R2 certified electronic recycler.<sup>40</sup>  
894 Electronic waste under this section shall be interpreted to be inclusive of IT equipment (e.g.,  
895 laptops, printers, routers, servers, tablets), peripherals (e.g., batteries, cables, keyboards,  
896 monitors, sensors), and data center equipment (e.g., chemicals, racks, UPS, HVAC).

897 **7.5.2. Task Order(s), Environmental**

898 Authorized ordering entities are authorized to identify additional environmental requirements  
899 at the TO level.

900 **7.6. Judicial or Law Enforcement Order(s)**

901 Authorized vendors shall notify the BPA Contracting Officer, and authorized ordering entities  
902 using the authorized vendor's cloud services (i.e., IaaS, PaaS, SaaS), within 60 minutes of  
903 any judicial or law enforcement order or request (e.g., warrants, seizures, subpoenas) it  
904 receives, including those from another authorized ordering entity that could result in the loss  
905 or unauthorized disclosure of any authorized ordering entity's data. The authorized vendor  
906 shall cooperate with the authorized ordering entity(ies) to take all measures to protect the  
907 authorized ordering entity's data from any loss or unauthorized disclosure that might  
908 reasonably result from the execution of any such judicial or law enforcement order or  
909 request or similar legal process.

910 **7.7. Key Personnel**

911 Authorized ordering entities should identify their vendor key personnel (e.g., cloud architect)  
912 requirements at the TO level.

913 **7.8. Logical Access**

914 **7.8.1. Logical Access Control**

915 Authorized vendors shall restrict, monitor, and record (i.e., logical access record, logical  
916 access log) all logical access to the authorized vendors' cloud services and computing  
917 equipment leveraged in the execution of the authorized ordering entities TOs, inclusive, but  
918 not limited to the following examples:

- 919
- data storage

---

<sup>40</sup> FAR 23.7 Contracting for Environmentally Preferable Products and Services



- 920 ○ archive, cache, primary, secondary,
- 921 ● edge computing, and networking equipment
- 922 ● software code,
- 923 ○ application, machine, middleware, and OS software
- 924 ○ software depositories, software management systems, and software integrity
- 925 systems.

### 926 **7.8.1.1. Logical Access Records**

927 The logical access record(s) (e.g., logs) shall include at a minimum:<sup>41</sup>

- 928 ● Timestamp
- 929 ● Status code for event type
- 930 ● Device identifier (MAC address or other unique identifier)
- 931 ● Session / Transaction ID
- 932 ● Autonomous System Number
- 933 ● Source IP (IPv4)
- 934 ● Source IP (IPv6)
- 935 ● Destination IP (IPv4)
- 936 ● Destination IP (IPv6)
- 937 ● Status code
- 938 ● Response Code
- 939 ● Response Time
- 940 ● Additional headers (i.e., HTTP headers)
- 941 ● Where appropriate, the username and/or userID shall be included
- 942 ● Where appropriate, the command executed shall be included
- 943 ● Where possible, all data shall be formatted as key-value-pairs allowing for easy
- 944 extraction
- 945 ● Where possible, a unique event identifier shall be included for event correlation; a
- 946 unique event identifier shall be defined per event type

### 947 **7.8.1.2. Logical Access Records Request**

948 Authorized vendors shall provide logical access records on the request of an authorized  
949 ordering entity.

## 950 **7.8.2. Logical Access Forensic, Inspection, Investigative**

951 Authorized vendors shall provide authorized ordering entities immediate logical access to all  
952 the authorized vendors' cloud services (i.e., IaaS, PaaS, SaaS) computing equipment,  
953 inclusive of data storage (e.g., archive, cache, primary, secondary), edge computing, and  
954 networking equipment and software code, inclusive of application, machine, middleware,

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<sup>41</sup> M-21-31: Improving the Federal Government's Investigative and Remediation Capabilities Related to Cybersecurity Incidents

955 and OS software, software depositories, software management systems, and software  
956 integrity systems leveraged in the execution of the authorized ordering entity's TO(s) for  
957 forensic, inspection, or investigative purposes (e.g., cybersecurity incident).

### 958 **7.8.2.1. Law Enforcement Logical Access**

959 Authorized ordering entity under this section shall be interpreted to be inclusive of the  
960 authorized ordering entity and the entities with jurisdiction for the oversight (e.g., OIG) or law  
961 enforcement (e.g., DoJ, FBI, State Police) of or for the authorized ordering entity.

### 962 **7.8.2.2. Logical Isolation**

963 Authorized vendors' cloud services computing equipment, inclusive of data storage (e.g.,  
964 archive, cache, primary, secondary), edge computing, and networking equipment and  
965 software code, inclusive of application, machine, middleware, and OS software, software  
966 depositories, software management systems, and software integrity systems, may be  
967 logically isolated, but shall remain operational and functional (e.g., powered on) until the  
968 authorized ordering entity provides official guidance.

### 969 **7.8.3. Logical Access - Personnel**

970 Authorized vendors shall restrict logical access to the authorized vendors' cloud services  
971 (i.e., IaaS, PaaS, SaaS) computing equipment, inclusive of data storage (e.g., archive,  
972 cache, primary, secondary), edge computing, and networking equipment and software code,  
973 inclusive of application, machine, middleware, and OS software, software depositories,  
974 software management systems, and software integrity systems leveraged in the execution of  
975 the authorized ordering entities' TOs to US persons only.

## 976 **7.9. Physical Access**

### 977 **7.9.1. Physical Access - Control**

978 Authorized vendors shall restrict, monitor, and record (i.e., physical access record, physical  
979 access log) all physical access to the authorized vendors' cloud services (i.e., IaaS, PaaS,  
980 SaaS) physical computing equipment, inclusive of data storage (e.g., archive, cache,  
981 primary, secondary), edge computing, and networking equipment leveraged in the execution  
982 of the authorized ordering entities' TOs.

#### 983 **7.9.1.1. Physical Access Records**

984 The physical access record(s) shall include at a minimum:

- 985 ● Name
- 986 ● Purpose
- 987 ● Entry Date and Time

- 988 • Exit Date and Time

### 989 **7.9.1.2. Physical Access Records Request**

990 Authorized vendors shall provide physical access records on the request of an authorized  
991 ordering entity within 120 hours or defined at the TO level. In the event of a cyber incident  
992 (e.g., data breach) event, the authorized ordering entity must be provided access to log  
993 records within 72 hours.

## 994 **7.9.2. Physical Access - Forensic, Inspection, Investigative**

995 Authorized vendors shall provide the ability for the ordering entities to coordinate immediate  
996 physical access to all the authorized vendors' cloud services (i.e., IaaS, PaaS, SaaS)  
997 physical computing equipment, inclusive of data storage (e.g., archive, cache, primary,  
998 secondary), edge computing, and networking equipment leveraged in the execution of the  
999 authorized ordering entities' TOs for forensic, inspection, or investigative purposes (e.g.,  
1000 cybersecurity incident).

### 1001 **7.9.2.1. Law Enforcement Physical Access**

1002 Authorized ordering entity under this section shall be interpreted to be inclusive of the  
1003 authorized ordering entity and the entities with jurisdiction for the oversight or law  
1004 enforcement (e.g., DoJ, FBI, State Police) of or for the authorized ordering entity.

### 1005 **7.9.2.2. Physical Equipment Isolation**

1006 Authorized vendors' cloud services physical computing equipment, inclusive of data storage,  
1007 edge computing, and networking equipment, may be operationally isolated, but shall remain  
1008 operational and functional (e.g., powered on) until the authorized ordering entity provides  
1009 official guidance.

## 1010 **7.9.3. Physical Access - Personnel**

1011 Authorized vendors shall restrict physical access to the authorized vendors' cloud services  
1012 (i.e., IaaS, PaaS, SaaS) physical computing equipment, inclusive of data storage (e.g.,  
1013 archive, cache, primary, secondary), edge computing, and networking equipment leveraged  
1014 in the execution of the authorized ordering entities' TOs to US persons only.

## 1015 **7.10. Physical Equipment Location**

1016 Authorized vendors' cloud services (i.e., IaaS, PaaS, SaaS) physical computing equipment  
1017 (e.g., data center, servers), inclusive of data storage (e.g., cache, primary, secondary,  
1018 archive), edge computing, and networking equipment, shall be located, provided, and  
1019 maintained under and within the sovereignty and jurisdiction of the US and shall be limited  
1020 to the 50 States, DC, and Territories unless the authorized ordering entity supports  
1021 OCONUS operations and has an authorized exemption to this policy that supports  
1022 establishment of an alternate geographic location requirement. DoD, DoS, and Intelligence

1023 Community (IC) can be authorized an exemption (i.e., relief) to the geographic location  
1024 requirements and cloud related IT professional services to be performed outside the  
1025 sovereignty of the US and in foreign jurisdiction(s) (e.g., military installations, embassies) in  
1026 accordance with DoD, DoS, and IC applicable laws, regulations, and policies.

1027 Authorized vendors' physical computing equipment shall not be subject to foreign  
1028 jurisdictions or foreign nations laws, regulations, or policies.

### 1029 **7.10.1. Task Order(s), Physical Equipment Location**

1030 Authorized ordering entities should identify their physical equipment location requirements,  
1031 along with any required Agency exemption or waiver approvals, at the TO level.<sup>42</sup>

## 1032 **7.11. Registration of Services**

1033 Authorized vendors shall register cloud services (i.e., IaaS, PaaS, SaaS) in authorized  
1034 ordering entities management, reporting, and tracking systems.

### 1035 **7.11.1. Task Order(s), Registration of Services**

1036 Authorized ordering entities are authorized to identify their registration of services  
1037 requirements at the TO level.

## 1038 **7.12. Service Contract Reporting**

1039 Authorized vendors shall accurately and timely complete service contract reporting  
1040 requirements (e.g., contractor manpower reporting).<sup>43, 44</sup>

### 1041 **7.12.1. Task Order(s), Service Contract Reporting**

1042 Authorized ordering entities should identify their service contract reporting requirements at  
1043 the TO level.<sup>45, 46, 47, 48</sup>

## 1044 **7.13. Software Ownership**

1045 Authorized vendors shall not limit or otherwise restrict the ability of authorized ordering  
1046 entities to access, download, or otherwise retrieve, partially or in full, the authorized ordering

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<sup>42</sup> DFARS 239.7602-2 Required storage of data within the United States or outlying areas

<sup>43</sup> FAR 52.204-14 Service Contract Reporting Requirements

<sup>44</sup> System for Award Management (SAM), Service Contract Reporting (SCR)

<sup>45</sup> 10 U.S.C. 235 ARMED FORCES, Procurement of contract services: specification of amounts requested in budget

<sup>46</sup> 10 U.S.C. 2330a ARMED FORCES, Procurement of services: tracking of purchases

<sup>47</sup> DFARS 204.17 - Service Contract Inventory

<sup>48</sup> DFARS 204.1703 Reporting Requirements

1047 entities software (e.g., licenses), inclusive of applications, configuration files (e.g., CaC),  
1048 functions, IaC, software code, scripts, and subroutines, used by authorized ordering entities  
1049 in leveraging (e.g, automate, configure, operate, use) the authorized vendor's cloud services  
1050 (i.e, IaaS, PaaS, SaaS).

1051 Authorized ordering entities' software shall always be owned by and accessible to the  
1052 authorized ordering entities.

1053 In the event open source software is utilized the Authorized vendor shall also provide the  
1054 software code along with any related forked code to the authorized ordering entity.

## 1055 **7.14. Source Code Escrow**

1056 Authorized vendors may be required to deposit a complete copy of the authorized vendor's  
1057 cloud services (i.e., IaaS, PaaS, SaaS) source code (e.g., open source software, proprietary  
1058 software, software libraries) into escrow.

1059 Escrowed source code and applicable commentary, explanations, and other documentation  
1060 (i.e., escrow package), shall be accurate and complete and shall delineate and explain the  
1061 structure, organization, sequencing, and operation of the source code in sufficient detail to  
1062 permit an authorized ordering entity to compile, install, operate, maintain, modify, secure,  
1063 and enhance the source code (i.e., cloud services).

1064 Escrow packages, when required, shall be deposited within thirty (30) calendar days of TO  
1065 awards and updated within thirty (30) calendar days of cloud services patches, updates, or  
1066 upgrades.

1067 Authorized vendors shall review and update the entire escrow package when the cloud  
1068 services have a major upgrade (e.g., version 1.1 to 1.2).

1069 Escrow packages shall be released to authorized ordering entities when:

- 1070 ● Source code is made publicly available (e.g., open source),
- 1071 ● Authorized vendors fail to timely secure (e.g., patch, update) source code,
- 1072 ● Authorized vendors discontinue or decommission cloud service,
- 1073 ● Authorized vendors are acquired by or sold to a foreign entity (e.g., business,  
1074 corporation, sovereign wealth fund) or non-US citizen (i.e., foreigner),
- 1075 ● Authorized vendors merge with a foreign entity (e.g., business, corporation),
- 1076 ● Foreign entities or non-US citizens acquires an influencing stake (e.g., stock  
1077 ownership, partnership, board member) in the authorized vendor
- 1078 ● Authorized vendors (e.g., business, corporation, owners, board members) become  
1079 subject to government (e.g., US) and non-government (e.g, UN) sanctions,
- 1080 ● Authorized vendors cessation, for any reason, to do business (e.g., bankruptcy,  
1081 insolvency, receivership),
- 1082 ● Authorized vendors demonstrate the inability or unwillingness to fulfill its obligations  
1083 under award TO(s).

1084 Upon release of the escrow package authorized ordering entities shall have a perpetual,  
1085 irrevocable authorization to use, reproduce, prepare derivative works, update, modify, and to  
1086 otherwise support the authorized ordering entities usage of the source code.

1087 Authorized vendors shall not receive compensation for released escrow packages.

#### 1088 7.14.1. **Task Order(s), Source Code Escrow**

1089 Authorized ordering entities are authorized to identify their source code escrow requirements  
1090 at the TO level.

## 1091 **8. Cybersecurity Requirements**

### 1092 **8.1. Annual Cybersecurity Assessment**

1093 Authorized vendors shall perform an annual cybersecurity assessment, conducted by a third-  
1094 party cybersecurity assessor using a government (e.g., NIST SP 800-53) or commercially  
1095 recognized (e.g., ISO 27001:2018) cybersecurity assessment standard, of their IS and  
1096 cybersecurity practices.

1097 The government or commercially recognized cybersecurity assessment standard used shall  
1098 at a minimum evaluate and assess the authorized vendor's compliance with the requirements  
1099 of *FAR 52.204-21 Basic Safeguarding of Covered Contractor Information Systems*.<sup>49, 50, 51</sup>

#### 1100 **8.1.1. Annual Cybersecurity Assessment Documentation**

1101 Authorized vendors shall provide the BPA administering agency with documentation of their  
1102 completed annual cybersecurity assessment [**Data Deliverable**].

1103 The documentation shall include:

- 1104 ● Identification of the third-party cybersecurity assessor with corresponding contact  
1105 information.
- 1106 ● Identification of the cybersecurity assessment date(s).
- 1107 ● A narrative summary (e.g., executive summary) of the cybersecurity  
1108 assessment results (e.g., category scores) and findings (e.g., issues, risks,  
1109 vulnerabilities).
- 1110 ● An itemized list of any critical, high, or medium cybersecurity findings (e.g.,  
1111 issues, risks, vulnerabilities).

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<sup>49</sup> NIST, SP 800-171 Rev. 2: Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations

<sup>50</sup> NIST, SP 800-171A: Assessing Security Requirements for Controlled Unclassified Information

<sup>51</sup> NIST, SP 800-172: Enhanced Security Requirements for Protecting Controlled Unclassified Information: A Supplement to NIST Special Publication 800-171



1142

## 8.3. Authorization to Operate

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Authorized vendors shall provide all required data, documentation, and information, inclusive of audits, diagrams, certifications, inventories, logs, manuals, metadata, photographs, procedures, reports, scans, specifications, and supply chain sourcing information, to support authorized ordering entities A&A activities and issuance of ATOs by the authorized ordering entities for the authorized vendor’s cloud services (i.e., IaaS, PaaS, SaaS).

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Authorized vendors shall only provide cloud services to an authorized ordering entity on the issuance and receipt of an ATO or equivalent issued by the authorized ordering entity.

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ATOs are only applicable to and valid for the explicitly identified cloud services and the issuing authorized ordering entity and are non-transferable unless the authorized ordering entities have a documented reciprocity agreement.

1157

1158

DCAS and FedRAMP authorizations are not equivalent to or the same as an ATO and do not satisfy the ATO requirements.

1159

### 8.3.1. Provisional Authority (PA)

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Authorized vendors may provide limited (e.g., access, capabilities, test environment) cloud services (i.e., IaaS, PaaS, SaaS) to an authorized ordering entity under a PA or equivalent issued by the authorized ordering entity to support cloud services ATO A&A, development, pilots, testing, and / or similar activities.

1164

### 8.3.2. Mitigation and Remediation

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Authorized vendors shall timely execute mitigation and remediation activities (e.g., fixes, patches, process improvements, updates).

Authorized vendors' failure to timely execute mitigation and remediation activities shall allow authorized ordering entities to terminate awarded TO(s).

1170

### 8.3.3. Task Order(s), Authorization to Operate

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1172

Authorized ordering entities are authorized to identify their ATO requirements at the TO level.<sup>52, 53, 54, 55, 56</sup>

<sup>52</sup> NIST, SP 800-53 Rev. 5: Security and Privacy Controls for Information Systems and Organizations

<sup>53</sup> DoDI 8500.01: Cybersecurity

<sup>54</sup> DoDI 8510.01: Risk Management Framework (RMF) for DoD Information Technology (IT)

<sup>55</sup> DoD Cloud Computing Security Requirements Guide (DoD CC SRG)

<sup>56</sup> ICD 503: Intelligence Community Information Technology Systems Security Risk Management, Certification, and Accreditation



1173 **8.4. Cybersecurity Information and Collaboration**  
1174 **Programs**

1175 Authorized vendors' cloud services (i.e., IaaS, PaaS, SaaS) shall actively participate in  
1176 cybersecurity information and collaboration programs in support of *PPD-21: Critical*  
1177 *Infrastructure Security and Resilience* and *PPD-41: United States Cyber Incident*  
1178 *Coordination*.

1179 **8.4.1. United States Department of Homeland Security**

1180 Authorized vendors shall actively participate in CISA cybersecurity information and  
1181 collaboration program:

- 1182 • Cyber Information Sharing and Collaboration Program (CISCP)

1183 **8.4.2. United States Department of Defense**

1184 Authorized vendors shall report cybersecurity incidents to the appropriate DoD programs  
1185 and service:

- 1186 • Defense Industrial Base (DIB) Cybersecurity (CS) Program

1187 **8.5. Cybersecurity Technical Programs**

1188 Authorized vendors cloud services (i.e., IaaS, PaaS, SaaS) shall be compatible and  
1189 interoperable with the following cybersecurity technical programs.

1190 Authorized vendors shall not restrict, limit, or otherwise impede the functionality, operations,  
1191 or performance of the following cybersecurity technical programs.

1192 **8.5.1. United States Department of Homeland Security**

1193 Authorized vendors shall be compatible and interoperable with the following DHS  
1194 cybersecurity technical programs that are responsible for the monitoring, reporting,  
1195 protection, and mitigation of cybersecurity threats and vulnerabilities to US Federal  
1196 Government civilian agencies' IS and cloud services (i.e., IaaS, PaaS, SaaS) processing,  
1197 transporting, and / or storing US Federal Government civilian agencies' data.

- 1198 • CDM Program
- 1199 • EINSTEIN
- 1200 • TIC

1201 **8.5.2. United States Department of Defense**

1202 Authorized vendors shall be compatible and interoperable with the following DoD  
1203 cybersecurity technical program that is responsible for the monitoring, reporting, protection,  
1204 and mitigation of cybersecurity threats and vulnerabilities to DoD's IS and cloud services  
1205 (i.e., IaaS, PaaS, SaaS) processing, transporting, and / or storing DoD's data.

- 1206 • CMMC v2.0 (based on program applicability)

### 1207 **8.5.3. Task Order(s), Cybersecurity Program Requirements**

1208 Authorized ordering entities are authorized to identify additional cybersecurity program  
1209 requirements at the TO level.

## 1210 **8.6. Incident Investigations**

1211 Authorized vendors shall fully comply with and support all cybersecurity incident  
1212 investigations, associated with providing cloud services (i.e., IaaS, PaaS, SaaS) or cloud-  
1213 related IT professional services, to authorized ordering entities.

### 1214 **8.6.1. Incident Investigations Restrictions or Limitations**

1215 Authorized vendors shall not have or enter into any (e.g., government, commercial)  
1216 agreements or contractual relationships that limits or restricts the authorized vendor from fully  
1217 complying and supporting cybersecurity incident investigations by an authorized ordering  
1218 entity.<sup>57</sup>

#### 1219 **8.6.1.1. Law Enforcement**

1220 Authorized ordering entity under this section shall be interpreted to be inclusive of the  
1221 authorized ordering entity and the entity(ies) with jurisdiction for the oversight (e.g., OIG) or  
1222 law enforcement (e.g., DoJ, FBI, State Police) of or for the authorized ordering entity.

### 1223 **8.6.2. Task Order(s), Incident Investigations Restrictions or 1224 Limitations Requirements**

1225 Authorized ordering entities shall not include requirements, at the TO level, that would restrict  
1226 or limit an authorized vendor from fully complying and supporting cybersecurity incident  
1227 investigations.<sup>58</sup>

## 1228 **8.7. Incident Reporting**

1229 Authorized vendors providing cloud services (i.e., IaaS, PaaS, SaaS) shall actively participate  
1230 in cybersecurity incident reporting programs in support of *Presidential Policy Directive (PPD)-*  
1231 *21: Critical Infrastructure Security and Resilience* and *PPD-41: United States Cyber Incident*  
1232 *Coordination*.

1233 Authorized vendors shall report cybersecurity incidents (e.g., attacks, ransomware),  
1234 associated with providing cloud services (i.e., IaaS, PaaS, SaaS) or cloud-related IT  
1235 professional services to the BPA Contracting Officer and the impacted authorized ordering

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<sup>57</sup> Executive Order 14028: Improving the Nation's Cybersecurity

<sup>58</sup> Executive Order 14028: Improving the Nation's Cybersecurity

1236 entity or entities in a timely manner consistent with Presidential Executive Orders<sup>59</sup> and GSA  
1237 IT policy requirements.<sup>60</sup>

### 1238 **8.7.1. United States Department of Homeland Security**

1239 Authorized vendors shall report cybersecurity incidents (e.g., attacks, ransomware) to the  
1240 appropriate DHS, CISA, United States Computer Emergency Readiness Team (US-CERT)  
1241 programs and services:

- 1242
- 1243 • AMAC Malware Analysis Submissions
- 1244 • Coordinated Vulnerability Disclosure (CVD) Program
- 1245 • Cyber Threat Indicator and Defensive Measure Submission System
- 1246 • Incident Reporting System

1247 Authorized vendors shall timely report cybersecurity incidents to CISA/US-CERT within the  
1248 following time periods:

- 1249 • Cyberattack within 72 hours
- 1250 • Ransomware payment within 24 hours

### 1251 **8.7.2. United States Department of Defense**

1252 Authorized vendors shall report cybersecurity incidents to the appropriate DoD programs and  
1253 service:

- 1254 • DoD Defense Industrial Base (DIB) Cyber Reports

1255 Authorized vendors shall timely report cybersecurity incidents (e.g., attacks, ransomware),  
1256 associated with providing cloud services (i.e., IaaS, PaaS, SaaS) for NSS, Defense Business  
1257 Systems, etc., in accordance with CJCSM 6510.01B, *Cyber Incident Handling Program, July*  
1258 *10, 2012 (Amended December 18, 2014)*

1259 Authorized vendors shall report the following cybersecurity incidents to the Defense Industrial  
1260 Base Collaborative Information Sharing Environment (DCISE) within the following time  
1261 periods:  
1262

- 1263 • Cyberattack within 72 hours
- 1264 • Ransomware payment within 24 hours

### 1265 **8.7.3. Task Order(s), Incident Reporting Program Requirements**

1266 Authorized ordering entities should identify additional cybersecurity incident reporting  
1267 program requirements at the TO level.

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<sup>59</sup> Executive Order 14028: Improving the Nation's Cybersecurity

<sup>60</sup> IT Security Procedural Guide: Incident Response (IR) CIO-IT Security-01-02

1268 Authorized ordering entities are responsible for identifying the person(s), office(s) (e.g.,  
1269 SOC), organization(s), or other cybersecurity entities that cybersecurity incidents are to be  
1270 timely reported to at the TO level.

1271  
1272 Authorized ordering entities are responsible for identifying at the TO level the means (e.g.,  
1273 email, hotline) and the corresponding information (e.g., email address, telephone number) for  
1274 cybersecurity incident reporting.

#### 1275 **8.7.4. Incident Reporting Restrictions or Limitations**

1276 Authorized vendors shall not have or enter into any (e.g., government, commercial)  
1277 agreements or contractual relationships that limits or restricts the authorized vendor from  
1278 timely reporting cybersecurity incidents to an authorized ordering entity.<sup>61</sup>

##### 1279 **8.7.4.1. Law Enforcement**

1280 Authorized ordering entity under this section shall be interpreted to be inclusive of the  
1281 authorized ordering entity and the entities with jurisdiction for the oversight or law  
1282 enforcement (e.g., DoJ, FBI, State Police) of or for the authorized ordering entity.

#### 1283 **8.7.5. Task Order(s), Incident Reporting Restrictions or Limitations** 1284 **Requirements**

1285 Authorized ordering entities shall not include requirements, at the TO level, that would restrict  
1286 or limit an authorized vendor from timely reporting cybersecurity incidents.<sup>62</sup>

### 1287 **8.8. Incident Response**

1288 Authorized vendors shall develop and maintain an internal Cybersecurity Incident Response  
1289 Plan in accordance with NIST SP 800-61 (current revision) guidelines and in support of the  
1290 DHS National Cyber Incident Response Plan strategic framework.

### 1292 **8.9. Information Assurance Vulnerability Management** 1293 **(IAVM)**

1294 Authorized vendors shall monitor US-CERT issued Information Assurance Vulnerability  
1295 Assessment (IAVA) (e.g., alerts, bulletins, technical advisories) for IAVA(s) that impact  
1296 authorized vendors' cloud services (i.e., IaaS, PaaS, SaaS).

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<sup>61</sup> Executive Order 14028: Improving the Nation's Cybersecurity

<sup>62</sup> Executive Order 14028: Improving the Nation's Cybersecurity

1297 Authorized vendors shall monitor NIST National Vulnerabilities Database (NVD) and / or  
1298 Common Vulnerabilities and Exposures (CVE)<sup>(R)</sup> records for vulnerabilities that impact  
1299 authorized vendors' cloud services (i.e., IaaS, PaaS, SaaS).

1300 Authorized vendors shall monitor other appropriate services (e.g., academic, commercial,  
1301 government) for vulnerabilities that impact authorized vendors' cloud services (i.e., IaaS,  
1302 PaaS, SaaS).

1303 Authorized vendors shall timely manage (e.g., IAVM) and execute mitigation and remediation  
1304 activities (e.g., fixes, patches, updates) in response to IAVA(s), NVD and CVE<sup>(R)</sup> records, and  
1305 other services announcements.

1306 Authorized vendors' failure to execute timely mitigation and remediation activities shall allow:

1307 

- BPA Contracting Officer to terminate authorized vendors' BPA award(s).
- Authorized ordering entities to terminate awarded TO(s).

1308

## 1309 **8.10. Multi-Factor Authentication**

### 1310 **8.10.1. Cloud Service Provider Accounts**

1311 Access (i.e., authentication and authorization) to CSP accounts (e.g., master, primary, root)  
1312 shall be executed by phishing-resistant MFA solutions<sup>63, 64, 65, 66, 67, 68</sup> (e.g., Derived PIV,<sup>69</sup>  
1313 PIV,<sup>70</sup> Biometrics,<sup>71</sup> Web Authentication<sup>72</sup>).

#### 1314 **8.10.1.1. Reauthentication and Reauthorization**

1315 Access reauthentication and reauthorization shall be required every 12 hours or less  
1316 regardless of activity.<sup>73</sup>

1317 Access reauthentication and reauthorization shall be required following any period of  
1318 inactivity lasting 15 minutes or longer.<sup>74</sup>

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<sup>63</sup> NIST, SP 800-63-3: Digital Identity Guidelines

<sup>64</sup> NIST, SP 800-63A: Digital Identity Guidelines: Enrollment and Identity Proofing

<sup>65</sup> NIST, SP 800-63B: Digital Identity Guidelines: Authentication and Lifecycle Management

<sup>66</sup> NIST, SP 800-63C: Digital Identity Guidelines: Federation and Assertions

<sup>67</sup> Executive Order 14028: Improving the Nation's Cybersecurity

<sup>68</sup> M-22-09: Moving the U.S. Government Toward Zero Trust Cybersecurity Principles

<sup>69</sup> NIST SP 800-157: Guidelines for Derived Personal Identity Verification (PIV) Credentials

<sup>70</sup> FIPS PUB 201-3: Personal Identity Verification (PIV) of Federal Employees and Contractors

<sup>71</sup> NIST SP 800-76: Biometric Specifications for Personal Identity Verification

<sup>72</sup> Web Authentication (WebAuthn)

<sup>73</sup> NIST, SP 800-63B: Digital Identity Guidelines: Authentication and Lifecycle Management

<sup>74</sup> NIST, SP 800-63B: Digital Identity Guidelines: Authentication and Lifecycle Management

## 1319 8.10.2. Cloud Services

1320 Access to cloud services (i.e., IaaS, PaaS, SaaS), that require user login (i.e., authentication  
1321 and authorization), shall be executed by phishing-resistant MFA solutions<sup>75, 76, 77, 78, 79, 80</sup>  
1322 (e.g., Derived PIV,<sup>81</sup> PIV,<sup>82</sup> Biometrics,<sup>83</sup> Web Authentication<sup>84</sup>).

### 1323 8.10.2.1. Reauthentication and Reauthorization

1324 Access reauthentication and reauthorization shall be required every 12 hours or less  
1325 regardless of activity.<sup>85</sup>

1326 Access reauthentication and reauthorization shall be required following any period of  
1327 inactivity lasting 15 minutes or longer or when a change to endpoint IP is detected (i.e.,  
1328 changing hotspot or connecting/disconnecting from VPN).<sup>86</sup>

## 1329 8.10.3. Task Order(s), Multi-Factor Authentication

1330 Authorized ordering entities are authorized to identify MFA requirements at the TO level.

## 1331 8.11. Customer-based Testing

1332 Authorized vendors shall allow authorized ordering entities to conduct and perform  
1333 cybersecurity (e.g., CIA triad) and operational (e.g., performance, SLAs) testing of the  
1334 authorized ordering entities' solutions (e.g., applications, configurations, databases, services,  
1335 software, websites) deployed and operating within the cloud services (i.e., IaaS, PaaS,  
1336 SaaS) processing, transporting, and / or storing authorized ordering entities data.

## 1337 8.12. Customer-based Testing Techniques

1338 Authorized vendors shall allow authorized ordering entities to use active (e.g., ethical hacker,  
1339 red team, penetration testing) and passive (e.g., emulation, scanning, simulation) testing  
1340 techniques in support of their vulnerability assessment program.

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<sup>75</sup> NIST, SP 800-63-3: Digital Identity Guidelines

<sup>76</sup> NIST, SP 800-63A: Digital Identity Guidelines: Enrollment and Identity Proofing

<sup>77</sup> NIST, SP 800-63B: Digital Identity Guidelines: Authentication and Lifecycle Management

<sup>78</sup> NIST, SP 800-63C: Digital Identity Guidelines: Federation and Assertions

<sup>79</sup> Executive Order 14028: Improving the Nation's Cybersecurity

<sup>80</sup> M-22-09: Moving the U.S. Government Toward Zero Trust Cybersecurity Principles

<sup>81</sup> NIST SP 800-157: Guidelines for Derived Personal Identity Verification (PIV) Credentials

<sup>82</sup> FIPS PUB 201-3: Personal Identity Verification (PIV) of Federal Employees and Contractors

<sup>83</sup> NIST SP 800-76: Biometric Specifications for Personal Identity Verification

<sup>84</sup> Web Authentication (WebAuthn)

<sup>85</sup> NIST, SP 800-63B: Digital Identity Guidelines: Authentication and Lifecycle Management

<sup>86</sup> NIST, SP 800-63B: Digital Identity Guidelines: Authentication and Lifecycle Management

1341 **8.12.1. Task Order(s), Customer Testing Techniques and**  
1342 **Requirements**

1343 Authorized ordering entities are authorized to identify their testing techniques and  
1344 requirements at the TO level.

1345 **8.13. Training**

1346 Authorized vendors' persons (e.g., employees, representatives, sub-contractors) shall  
1347 provide documentation of successful completion of authorized ordering entities annual  
1348 cybersecurity training and certification requirements. Training programs should be based  
1349 upon NIST SP 800-181 Rev1, *Workforce Framework for Cybersecurity (NICE Framework)*  
1350 and NIST Interagency Report (NISTIR) 8355, *NICE Framework Competencies: Assessing*  
1351 *Learners for Cybersecurity Work. [Deliverable X]*

1352 **8.13.1. Task Order(s), Training**

1353 Authorized ordering entities are responsible for identifying cybersecurity training and  
1354 certification requirements at the TO level.  
1355

1356 **9. Data Requirements**

1357 **9.1. Data Access**

1358 Authorized vendors shall not limit or otherwise restrict the ability of authorized ordering  
1359 entities to access, download, or otherwise retrieve, partially or in full, the authorized ordering  
1360 entity's data from the authorized vendor's cloud services (i.e., IaaS, PaaS, SaaS).

1361 **9.2. Data Access Control**

1362 All access to authorized ordering entities' and authorized vendors' cloud services data,  
1363 inclusive of derivative data, metadata, and log(s) generated in the execution of the  
1364 authorized ordering entities' TO(s), shall be restricted, monitored, and recorded (i.e., access  
1365 record).

1366 **9.2.1. Data Access Records**

1367 The access record(s) shall include at a minimum:

- 1368
- 1369 • Device Name
  - 1370 • Device IP Address
  - 1371 • Device MAC Address
  - 1372 • Data Access Date and Time
  - Data Exit Date and Time

- 1373
- Data Action (e.g., read, write, modify)

1374 **9.2.2. Data Access Records Request**

1375 Authorized vendors shall provide data access record(s) on the request of an authorized  
1376 ordering entity.

1377 **9.3. Data Access Forensic, Inspection, Investigative**

1378 Authorized ordering entities shall have immediate logical access to all the authorized  
1379 vendors' cloud services (i.e., IaaS, PaaS, SaaS) data, inclusive of derivative data, metadata,  
1380 and log(s) generated in the execution of the authorized ordering entities' TO(s), for forensic,  
1381 inspection, or investigative purposes (e.g., cybersecurity incident).<sup>87, 88</sup>

1382 **9.3.1. Law Enforcement Data Access**

1383 Authorized ordering entity under this section shall be interpreted to be inclusive of the  
1384 authorized ordering entity and the entity(ies) with jurisdiction for the oversight (e.g., OIG) or  
1385 law enforcement (e.g., DoJ, FBI, State Police) of or for the authorized ordering entity.

1386 **9.3.2. Data Isolation**

1387 If authorized ordering entities' data, inclusive of derivative data, metadata, and log(s) are co-  
1388 located with non-authorized ordering entities' data, inclusive of derivative data, metadata,  
1389 and log(s), the authorized ordering entities' data shall be isolated into a secure space (e.g.,  
1390 physical, virtual) to support the investigative process and all the data to where it shall be  
1391 accessed, reviewed, scanned, or forensically evaluated by the authorized ordering entities.

1392 **9.3.2.1. Original Data**

1393 All original (e.g., unaltered, unedited) data, inclusive of derivative data, metadata, and log(s),  
1394 shall be maintained (e.g., snapshot) to support forensic evaluation.

1395 **9.4. Data Access - Personnel**

1396 Authorized vendors shall restrict data access to authorized ordering entities' and authorized  
1397 vendors' cloud services data, inclusive of derivative data, metadata, and log(s) generated in  
1398 the execution of the authorized ordering entities' TO(s) to US persons only.  
1399

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<sup>87</sup> Executive Order 14028: Improving the Nation's Cybersecurity

<sup>88</sup> M-21-31, Improving the Federal Government's Investigative and Remediation Capabilities Related to Cybersecurity Incidents



1400 **9.5. Data Access, Use, Disclosure**

1401 Authorized vendors, inclusive of persons (e.g., employees, representatives, sub-  
1402 contractors), shall not access, use, or disclose privately, commercially (e.g., 3rd parties), or  
1403 publicly the authorized ordering entities' data, inclusive of derivative data, metadata, and  
1404 log(s) generated in the execution of the authorized ordering entities' TO(s), unless  
1405 specifically authorized by the terms of the authorized ordering entities awarded TO(s).

1406 **9.5.1. Anonymized Data Access, Use, Disclosure**

1407 Authorized vendors, inclusive of persons (e.g., employees, representatives, sub-  
1408 contractors), shall not access, use, or disclose privately, commercially (e.g., 3rd parties), or  
1409 publicly any anonymized data, inclusive of derivative data, metadata, and log(s) generated  
1410 in the execution of the authorized ordering entities' TO(s), unless specifically authorized by  
1411 the terms of the authorized ordering entities awarded TO(s).

1412 **9.5.2. Unauthorized Data Access, Use, Disclosure Liabilities**

1413 Unauthorized data access, use, or disclosure may subject the authorized vendor, inclusive  
1414 of persons (e.g., employees, representatives, sub-contractors), to criminal, civil,  
1415 administrative, and contractual actions in law and equity for penalties, damages, and any  
1416 other appropriate remedies by any party adversely affected by unauthorized data access,  
1417 use, or disclosure.

1418 **9.6. Data At Rest Protection (DARP)**

1419 Authorized vendors shall implement, provide, and support DARP solutions (e.g., encryption)  
1420 in their cloud services (i.e., IaaS, PaaS, SaaS) for authorized ordering entity's data at rest  
1421 (e.g., archives, backups, databases, storage).<sup>89, 90</sup>

1422 Authorized vendors provided DARP solutions shall allow authorized ordering entities to  
1423 establish or provide their own encryption keys.

1424 **9.6.1. Task Order(s), Data At Rest Protection**

1425 Authorized ordering entities are authorized to identify DARP requirements at the TO level.

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<sup>89</sup> Executive Order 14028: Improving the Nation's Cybersecurity

<sup>90</sup> M-22-09: Moving the U.S. Government Toward Zero Trust Cybersecurity Principles

## 1426 **9.7. Data Encryption**

1427 Authorized vendors shall implement, provide, and support FIPS PUB 197: Advanced  
1428 Encryption Standard (AES) data encryption solutions and third-party key management  
1429 services in their cloud services (i.e., IaaS, PaaS, SaaS).<sup>91</sup>

1430 Authorized vendors' provided data encryption solutions shall allow authorized ordering  
1431 entities to establish or provide their own encryption keys.

### 1432 **9.7.1. Task Orders, Data Encryption**

1433 Authorized ordering entities are authorized to identify data encryption requirements at the  
1434 TO level.

## 1435 **9.8. Data Format**

1436 Authorized vendors shall not convert or otherwise change or digitally manipulate the  
1437 authorized ordering entities' data format (e.g., file type) to another or proprietary data format  
1438 without the authorization of the authorized ordering entities.

1439 Authorized vendors shall provide the capability to revert / reconvert the authorized ordering  
1440 entities' data format (e.g., file type) to the original (e.g., MPEG-2) or newest version of the  
1441 data format (e.g., MPEG-4).

1442 Authorized vendors shall provide the capability to convert all authorized vendors' proprietary  
1443 data format(s) to non-proprietary, commercially available, and standardized data format(s)  
1444 (e.g., CSV, JPEG, MPEG, XML).

### 1445 **9.8.1. Task Order(s), Data Format**

1446 Authorized ordering entities are authorized to identify additional data format requirements at  
1447 the TO level.

## 1448 **9.9. Data Location**

1449 Authorized ordering entities' data, inclusive of derivative data, metadata, and logs generated  
1450 in the execution of the authorized ordering entities' TO(s), shall only be processed (e.g.,  
1451 compute), cached, stored (e.g., primary, secondary), or archived within the sovereignty and  
1452 jurisdiction of the US and shall be limited to the 50 States, DC, and Territories unless the  
1453 authorized ordering entity supports OCONUS operations and has an authorized exemption  
1454 to this policy that supports establishment of an alternate geographic location requirement.  
1455 DoD, DoS, and Intelligence Community (IC) (i.e., certain authorized ordering entities) can be

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<sup>91</sup> NIST SP 800-175B Rev 1: Guideline for Using Cryptographic Standards in the Federal Government: Cryptographic Mechanisms

1456 authorized an exemption (i.e., relief) to the geographic location requirements and cloud  
1457 related IT professional services to be performed outside the sovereignty of the US and in  
1458 foreign jurisdiction(s) (e.g., military installations, embassies) in accordance with DoD, DoS,  
1459 and IC applicable laws, regulations, and policies.<sup>92, 93</sup>

1460 Authorized ordering entities' data shall not be subject to foreign jurisdictions or foreign  
1461 nations laws, regulations, or policies.

1462 Authorized vendors' data, inclusive of administrative data, support data, and billing data,  
1463 generated in the execution of the authorized ordering entities' TO(s), shall only be  
1464 processed (e.g., compute), cached, stored (e.g., primary, secondary), or archived within the  
1465 sovereignty and jurisdiction of the US and shall be limited to the 50 States, DC, and  
1466 Territories.

1467 Authorized vendors' data shall not be subject to foreign jurisdictions or foreign nations laws,  
1468 regulations, or policies.

### 1469 **9.9.1. Task Order(s), Data Location**

1470 Authorized ordering entities shall identify their data location requirements<sup>94</sup>, along with any  
1471 required Agency exemption or waiver approvals, at the TO level.

## 1472 **9.10. Data Mining, Scanning**

1473 Authorized vendors, inclusive of persons (e.g., employees, representatives, sub-  
1474 contractors), shall not data mine, scan, or otherwise interrogate, investigate, or analyze via  
1475 manual or automated means authorized ordering entities' data. This prohibition is inclusive  
1476 of derivative data, metadata, and log(s) generated in the execution of the authorized  
1477 ordering entities' TO(s), unless specifically authorized by the terms of this BPA or the  
1478 authorized ordering entities awarded TO(s).

### 1479 **9.10.1. Operations and Maintenance, Cybersecurity, Performance**

1480 Authorized vendors, inclusive of persons, are authorized in full or in partial to scan or  
1481 otherwise interrogate, investigate, or analyze manually or automated authorized ordering  
1482 entities' data, inclusive of derivative data, metadata, and log(s) generated in the execution of  
1483 the authorized ordering entities' TO(s), in the performance of O&M activities, cybersecurity  
1484 activities (e.g., antivirus / malware detection, cybersecurity incident response), or  
1485 performance improvement activities.

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<sup>92</sup> DFARS 239.7602-2: Required storage of data within the United States or outlying areas

<sup>93</sup> DOS Foreign Affairs Handbook, 5 FAH-8 H-354, Cloud Computing Security

<sup>94</sup> DFARS 239.7602-2 Required storage of data within the United States or outlying areas

1486 **9.11. Data Ownership**

1487 Authorized ordering entities shall maintain sole ownership rights of all authorized ordering  
1488 entities' data, inclusive of derivative data, metadata, and log(s) generated in the execution of  
1489 the authorized ordering entities' TO(s).

1490  
1491 Authorized vendors shall have no ownership rights to authorized ordering entities' data,  
1492 inclusive of derivative data, metadata, and log(s) generated in the execution of the  
1493 authorized ordering entities' TO(s).  
1494

1495 **9.12. Data Quarantine, Isolation, Restricted Access**

1496 Authorized vendors, inclusive of persons (e.g., employees, representatives, sub-  
1497 contractors), are authorized to quarantine, isolate, or otherwise restrict access to any  
1498 authorized ordering entities' data that is found or suspected to be compromised or infected  
1499 with a cybersecurity vulnerability (e.g., virus, worm, ransomware, malware).

1500 **9.12.1. Cybersecurity Vulnerability Notification**

1501 Authorized vendors shall notify the authorized ordering entities of any authorized ordering  
1502 entities' data that is found or suspected to be compromised or infected with a cybersecurity  
1503 vulnerability and coordinate the appropriate cybersecurity incident response to mitigate and  
1504 resolve.

1505 **9.12.2. Data Deletion, Destruction**

1506 Authorized vendors, inclusive of persons, shall not delete nor otherwise destroy the  
1507 authorized ordering entities' data that is found or suspected to be compromised or infected  
1508 with a cybersecurity vulnerability.

1509 **9.13. Data Rights**

1510 The provisions affecting data rights under this BPA shall be in accordance with *FAR 52.227-*  
1511 *14 Rights in Data-General*.

1512 Authorized ordering entities shall have unlimited data and metadata rights to all authorized  
1513 ordering entities' data provided to, created, developed in, loaded, processed by, transitioned  
1514 to, or hosted by authorized vendors in the execution of the authorized ordering entities  
1515 awarded TO(s).  
1516

1517 Authorized ordering entities shall have unlimited data rights to all authorized ordering  
1518 entities' developed software, inclusive of applications, configuration files (e.g., CaC),  
1519 functions, IaC, software code, scripts, and subroutines, used by authorized ordering entities

1520 in leveraging (e.g., automate, configure, operate, use) the authorized vendors cloud services  
1521 (i.e., IaaS, PaaS, SaaS).

### 1522 **9.13.1. Derived Data**

1523 Authorized ordering entities shall have unlimited data rights to all authorized vendors' derived  
1524 data, from the authorized ordering entities data, to include analytics, logs, metadata, scans,  
1525 etc. generated in the execution of the authorized ordering entities awarded TO(s).<sup>95</sup>

1526  
1527 Authorized ordering entities shall have the unlimited rights to request and shall receive from  
1528 authorized vendors complete copies of authorized vendors' derived data.

### 1529 **9.13.2. Task Order(s), Data Rights**

1530 Authorized ordering entities are authorized to identify additional data rights requirements<sup>96, 97,</sup>  
1531 <sup>98</sup> at the TO level

## 1532 **9.14. Data Spillage**

1533 Authorized ordering entities' data, inclusive of derivative data, metadata, and log(s) generated  
1534 in the execution of the authorized ordering entities' TO(s), shall be contained, maintained, and  
1535 restricted to the data's designated security boundary (e.g., FedRAMP Moderate, FedRAMP  
1536 High, DoD IL 2, DoD IL 6).

1537 Authorized vendors shall immediately notify authorized ordering entities on identification that  
1538 the authorized ordering entities' data has spilled from one security boundary to another  
1539 security boundary (i.e., spillage) without authorization. Authorized vendors shall follow the  
1540 authorized ordering entities' instructions to mitigate (e.g., clean, sanitize) the spillage.

### 1541 **9.14.1. Task Order(s), Data Spillage Reporting Information**

1542 Authorized ordering entities shall identify the person(s), office(s) (e.g., SOC), organization(s),  
1543 or other entities that spillages are to be immediately reported to at the TO level.

1544 Authorized ordering entities shall identify at the TO level the means (e.g., email, hotline) and  
1545 the corresponding information (e.g., email address, telephone number) for spillage reporting.

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<sup>95</sup> M-21-31, Improving the Federal Government's Investigative and Remediation Capabilities Related to Cybersecurity Incidents

<sup>96</sup> DFARS 252.227-7013 Rights in Technical Data—Noncommercial Items

<sup>97</sup> DFARS 252.227-7014 Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation

<sup>98</sup> DFARS 252.227-7015 Technical Data—Commercial Items

1546 **9.15. Data Sanitization**

1547 Authorized vendors shall maintain and ensure the confidentiality of authorized ordering  
1548 entities data by preventing unauthorized access, disclosure, or retrieval.<sup>99</sup>

1549 **9.15.1. Data Deletion**

1550 Authorized vendors shall sanitize data from cloud services (i.e., IaaS, PaaS, SaaS) data  
1551 storage devices (e.g., cache, primary and secondary storage, backups, archives), by  
1552 nondestructive (e.g., cryptographic erase, overwrite) means based on the authorized  
1553 ordering entity's requirements for the information classification level<sup>100</sup>, when authorized  
1554 ordering entities delete their data or when authorized ordering entities terminate their usage  
1555 of authorized vendors' cloud services.

1556 **9.15.2. Data Storage Device Removal**

1557 Authorized vendors shall sanitize data from cloud services (i.e., IaaS, PaaS, SaaS) data  
1558 storage devices, by nondestructive (e.g., cryptographic erase, overwrite) means based on  
1559 the information classification level, when authorized vendors remove computer readable  
1560 medium from operational usage and maintain full access and asset control.

1561 **9.15.3. Data Storage Device Decommission and Disposal**

1562 Authorized vendors shall sanitize data from cloud services (i.e., IaaS, PaaS, SaaS) data  
1563 storage devices, by destructive (e.g., degaussing, grinding, shredding) and nondestructive  
1564 (e.g., cryptographic erase, overwrite) means based on the information classification level,  
1565 when authorized vendors decommission or dispose of their computer readable medium.

1566 **9.15.4. Task Order(s), Data Sanitization**

1567 Authorized ordering entities are authorized to identify data sanitization requirements at the  
1568 TO level.

1569 **9.16. Data Transceiving Caching**

1570 Authorized vendors may temporarily cache authorized ordering entities' data outside the  
1571 sovereignty and jurisdiction of the US when actively transceiving (e.g., transport, routing)  
1572 authorized ordering entities' encrypted (e.g., DARPA, HTTPS, TLS) data to or from an  
1573 authorized source or an authorized destination that is outside the sovereignty and  
1574 jurisdiction of the US.

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<sup>99</sup> NIST, SP 800-88 Rev. 1: Guidelines for Media Sanitization

<sup>100</sup> Executive Order 12829: National Industrial Security Program

1575 **9.16.1. Task Order(s), Data Transceiving Caching Requirements**

1576 Authorized ordering entities are authorized to identify additional data transceiving caching  
1577 security requirements (e.g., encryption, policies, prohibitions, protocols, routing) at the TO  
1578 level.

1579 **9.17. Data Transceiving Protection**

1580 Authorized vendors shall implement, provide, and support data transceiving (e.g., transport,  
1581 routing) protection solutions (e.g., encryption, policies, protocols, secure communications,  
1582 routing) in their cloud services (i.e., IaaS, PaaS, SaaS) for authorized ordering entities'  
1583 data.<sup>101</sup>

1584 Data transceiving protection solutions shall be implemented, provided, and supported for  
1585 both internal (e.g., within the CSP security boundary, Intranet) and external (e.g., outside the  
1586 CSP security boundary, Internet) data transceiving.

1587 **9.17.1. Task Order(s), Data Transceiving Protection Requirements**

1588 Authorized ordering entities are authorized to identify data transceiving protection  
1589 requirements (e.g., internal, external) at the TO level.

1590 **10. Authorized Ordering Entity Requirements**

1591 All authorized ordering entities that use this BPA in the execution of any TO shall comply  
1592 with the following requirements unless otherwise granted a waiver from the BPA  
1593 administering agency.

1594 **10.1. Accounts Management**

1595 **10.1.1. Account Requests**

1596 Authorized ordering entities shall process authorized vendor account requests in  
1597 accordance with the authorized ordering entities' review and approval processes.

1598 Authorized ordering entities shall configure approved accounts with the appropriate access  
1599 and permissions.

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<sup>101</sup> Executive Order 14028: Improving the Nation's Cybersecurity

1600 **10.1.2. Account Change Requests**

1601 Authorized ordering entities shall process authorized vendor account change requests (e.g.,  
1602 new accounts, account deletions) in accordance with the authorized ordering entities' review  
1603 and approval processes.

1604 Authorized ordering entities shall configure approved account changes with the appropriate  
1605 access and permissions.

1606 **10.1.3. Accounts - Cloud Service Provider(s)**

1607 **10.1.3.1. Existing Accounts**

1608 Authorized ordering entities shall provide existing CSP account information to the authorized  
1609 vendors and coordinate with the authorized vendors in transferring existing CSP accounts.

1610 **10.1.3.2. New Accounts**

1611 Authorized ordering entities shall provide required CSP account information to the  
1612 authorized vendors and coordinate with the authorized vendors in creating CSP accounts.

1613 **10.2. Post Award Management**

1614 **10.2.1. Exercise of Option Period of Performance (PoP)**  
1615 **Notifications**

1616 Authorized ordering entities shall provide written notification to authorized vendors at least  
1617 30 calendar days prior to the exercise of an option PoP.<sup>102</sup>

1618  
1619 Authorized ordering entities shall notify the BPA Contracting Officer within <<FILL IN>> days  
1620 of the exercise of an option PoP.

1621 **10.2.2. Invoicing**

1622 **10.2.2.1. Task Order(s) Invoice Submission Cover Sheet**

1623 Authorized ordering entities shall identify their TO(s) invoice cover sheet requirements (e.g.,  
1624 CLIN summary, utilization discounts balance, LOAs) and submission requirements (e.g.,  
1625 systems, payments) at the TO level.

---

<sup>102</sup> FAR 17.207 Exercise of Options



1626 **10.2.2.2. Task Order(s) Invoice Approval**

1627 Authorized ordering entities shall receive, review, approve, and timely pay authorized  
1628 vendors invoices.

1629 **10.2.3. Networking and Routing**

1630 Authorized ordering entities shall coordinate with and provide authorized vendors with  
1631 required networking (e.g., MAC addresses) and routing configuration information (e.g., IP  
1632 addresses) to allow authorized vendors to configure authorized vendors' cloud services (i.e.,  
1633 IaaS, PaaS, SaaS) connectivity (e.g., firewalls, MTIPS, TIC) in accordance with awarded TO  
1634 requirements.

1635 **10.2.4. Travel**

1636 **10.2.4.1. Task Order(s) Travel Requests**

1637 Authorized ordering entities shall identify their TO(s) travel requests requirements (e.g.,  
1638 timeframe, format, information) at the TO level.

1639 **10.2.4.2. Task Order(s) Travel Approvals**

1640 Authorized ordering entities shall receive, review, and timely approve authorized vendors  
1641 travel requests.

1642 **10.2.4.3. Task Order(s) Travel Documentation**

1643 Authorized ordering entities shall provide authorized vendors with any required supporting  
1644 documentation needed in obtaining necessary travel documents.

1645 **11. Authorized Vendor Requirements**

1646 All authorized vendors that use this BPA in the execution of any TO shall comply with the  
1647 following requirements unless otherwise granted a waiver from the BPA administering  
1648 agency.

1649 **11.1. Blanket Purchase Agreement Training**

1650 **11.1.1. Federal Contracts Administrator**

1651 Authorized vendors shall complete all required BPA Contracting Officer's training prior to  
1652 submission of TO proposal.

1653 **11.2. Pre-Award**

1654 **11.2.1. Service Catalog**

1655 Authorized vendors shall maintain an accurate, complete, and up to date service capabilities  
1656 catalog that identifies authorized vendors' cloud services (i.e., IaaS, PaaS, SaaS) and / or  
1657 the cloud-related IT professional services that the authorized vendor is authorized to offer,  
1658 negotiate, and sell under this BPA.

1659 **11.2.1.1. Service Catalog Audit Corrective Actions**

1660 Authorized vendors shall resolve all negative findings (e.g., deficiencies, discrepancies,  
1661 errors) and complete required corrective actions within 1 month of administrative notification.

1662 **11.2.1.2. Service Catalog Authorized Services**

1663 Authorized vendors service catalogs shall only include the cloud services and / or the cloud-  
1664 related IT professional services that authorized vendors have been authorized to provide in  
1665 accordance with authorized vendors BPA award(s) (i.e., pools, sub-pools).

1666 **11.2.1.3. Service Catalog Review and Attestation**

1667 Authorized vendors shall review and attest once every 6 months per BPA ordering period  
1668 that their service catalogs are accurate, complete, and up to date.

1669 **11.2.1.4. Service Catalog, Cloud Services**

1670 **11.2.1.4.1. Data Elements**

1671 Authorized vendors cloud services catalogs shall include the required data elements and  
1672 may include the optional data elements. (Reference Appendix D)

<b>Table 10: Service Catalog Required Data Elements</b>			
Data Element	Format	Examples / <b>[Valid Values]</b>	Notes
BPA Pool and Sub-Pool Number	Text	1-1, 2-1	
TO PoP	Numerical	00, 01, 02, 03	
TO PoP Start Date	YYYY MM DD	2022 01 01	
TO PoP End Date	YYYY MM DD	2022 12 31	
CSP Name	Text	Cloud Inc.	
Service Name	Text	General Compute Large Server	
Service Description	Text	Server, 4 vCPU, 64 GB RAM, 25 Gbps	
Service Model	Text	<b>[IaaS, PaaS, SaaS]</b>	
Authorizing Entity	Text	<b>[DoD, FedRAMP]</b>	If a cloud service has multiple authorizing entities the cloud service shall have an entry in the catalog for each applicable authorizing entity (i.e., DoD, FedRAMP) with associated authorizing entity's authorization data.
Impact Level	Text	<b>[LI-SaaS, Low, Moderate, High, 2, 4, 5, 6]</b>	

Authorization Date	YYYY MM DD	2021 07 04	
Discontinuation Date	YYYY MM DD	2025 12 25	Identifies the actual or planned discontinuation, decommissioning, or sunset date for a cloud service. If no "Discontinuation Date" has been established a value of "Null" shall be entered.
CSP Identifier	Text, Numerical, Alphanumeric	ABCDEFGH, 1234567890, A1B2C3D4E5F6	Identifies the CSP's unique code (e.g., UPC) for each cloud service and is universal across resellers. The "CSP Identifier" should also be universal across commercial and non-commercial (e.g., government) customers.
Effective Price Date	YYYY MM DD	2022 02 15	
Service Price	Currency	\$5.4321	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the price for a quantity of one (1) (i.e., unit price) for the cloud service in US currency (i.e., US dollars) out to four (4) decimal places (i.e., ten-thousandths).</p>
Unit of Measure	Text	Compute per Hour, GB, Subscription, Transaction	
EPEAT <sup>™</sup> Registered	Text	[Yes, No]	Identifies if the cloud service operates on EPEAT <sup>™</sup> Registered equipment (e.g., computers, networking, servers).
ENERGY STAR <sup>®</sup> Certified	Text	[Yes, No]	Identifies if the cloud service operates on ENERGY STAR <sup>®</sup> Certified equipment (e.g., servers, storage, networking equipment).

**Table 11: Service Catalog Optional Data Elements**

Data Element	Format	Examples / [Valid Values]	Notes
SKU	Text, Numerical, Alphanumeric	ABCDEFGH, 1234567890, A1B2C3D4E5F6	Is any text, numerical, or alphanumeric indicator that an authorized vendor uses to identify, track, and manage their cloud services internally.
ZTA Pillar	Text	<b>[Application, Data, Device, Infrastructure, Orchestration and Automation, Network, User, Visibility and Analytics]</b>	<p>1. The "GSA Zero Trust Architecture (ZTA) Buyer's Guide" defines eight (8) foundational pillars of ZTA and the core components of each pillar.</p> <p>2. The completion of the ZTA Pillar and ZTA Component data elements will assist authorized ordering entities in identifying cloud services that provide specific capabilities and functions</p>
ZTA Component	Text	<p><i>Application</i> <b>[Application Security, Any Device Access, Container Security, Isolation, Secure Access Cloud, Web Application Firewall]</b></p> <p><i>Data</i> <b>[Classification, Data Loss Prevention, Data Security, Encryption, Industry Compliance, Integrity]</b></p> <p><i>Device</i> <b>[Device Authentication, Device Compliance, Device Identity, Device Inventory, Device Management, Device Security, Enterprise Mobility Management, Vulnerability Management]</b></p> <p><i>Infrastructure</i> <b>[Cloud Access Security Broker, Cloud Workload Protection, SaaS Management Platform, Secure Access Service Edge]</b></p>	<p>1. The "GSA Zero Trust Architecture (ZTA) Buyer's Guide" defines eight (8) foundational pillars of ZTA and the core components of each pillar.</p> <p>2. The completion of the ZTA Pillar and ZTA Component data elements will assist authorized ordering entities in identifying cloud services that provide specific capabilities and functions.</p> <p>3. The valid values for the ZTA Component are determined by the selected ZTA Pillar.</p>

		<p><i>Orchestration and Automation</i> [Policy Administrator (PA), Policy Enforcement Point (PEP), Policy Engine (PE), Security Policy Management]</p> <p><i>Network</i> [Network Access Control, Network Security, Segmentation, Session Protection, Software-Defined Networking, Transport Encryption, Zero Trust Architecture, Zero Trust Network Access]</p> <p><i>User</i> [Access Management, Authentication, Dynamic Risk Scoring, Conditional Access, Identity Management, User and Event Behavior Analytics]</p> <p><i>Visibility and Analytics</i> [Continuous Diagnostics and Mitigation (CDM) System, Device Visibility, Threat Intelligence, Security Information and Event Management (SIEM)]</p>	
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1676 **11.2.1.5. Service Catalog, Cloud-Related IT Professional Services**

1677 **11.2.1.5.1. Required Data Elements**

1678 Authorized vendors cloud-related IT professional services catalogs shall include the required data elements and may  
 1679 include the optional data elements. (Reference Appendix E)

<b>Table 12: Service Catalog, Cloud Related IT Professional Services Required Data Elements</b>			
Data Element	Format	Examples / [Valid Values]	Notes
BPA Pool and Sub-Pool Number	Text	3-1, 3-2	
TO PoP	Numerical	00, 01, 02, 03	
TO PoP Start Date	YYYY MM DD	2022 01 01	
TO PoP End Date	YYYY MM DD	2022 12 31	
Professional Service	Text	Cybersecurity Forensics	
Professional Service Description	Text	Services involved with processing, preserving, and analyzing computer-related evidence.	
Clearance Level	Text	<b>[Tier 1 (T1) Non-Sensitive Positions - Low Risk, Tier 2 (T2) Non-Sensitive Public Trust Positions - Moderate Risk, Tier 4 (T4)</b>	If a cloud related IT professional service has multiple clearance levels the cloud related IT professional service shall have an entry in the

		<b>Non-Sensitive Public Trust Positions - High Risk, Tier 3 (T3) National Security Positions - Secret / Confidential Clearance, Tier 5 (T5) National Security Positions - Top Secret Clearance]</b>	catalog for each applicable clearance level (i.e., Tier 4 (T4) Non-Sensitive Public Trust Positions - High Risk, Tier 3 (T3) National Security Positions - Secret / Confidential Clearance).
Geographical Location	Text	<b>[CONUS, GSA Region 1 New England, GSA Region 2 Northeast and Caribbean, Region 3 Mid-Atlantic, GSA Region 4 Southeast Sunbelt, GSA Region 5 Great Lakes, GSA Region 6 The Heartland, GSA Region 7 Greater Southwest, GSA Region 8 Rocky Mountain, GSA Region 9 Pacific Rim GSA Region 10, Northeast Arctic, GSA Region 11 National Capital, OCONUS]</b>	<ol style="list-style-type: none"> <li>1. The authorized vendor shall identify at least one labor rate and geographic location per cloud related IT professional service.</li> <li>2. The authorized vendor may identify multiple geographic locations per cloud related IT professional service.</li> <li>3. The authorized vendor's identified geographic location(s) shall represent the authorized vendor's maximum area of business operations.</li> <li>4. The authorized vendor may identify different labor rates per geographic location.</li> <li>5. If an authorized vendor has multiple geographic locations the cloud related IT professional service shall have a separate entry in the catalog for each geographic location.</li> </ol>
Place of Performance	Text	<b>[Authorized Ordering Entity, Authorized Vendor, Remote]</b>	If a cloud related IT professional service has multiple places of performance the cloud related IT professional service shall have an entry in the catalog for each applicable place of performance (i.e., authorized ordering entity, authorized vendor, remote).



Cloud Related IT Professional Service Code	Text, Numerical, Alphanumeric	ABCDEFGH, 1234567890, A1B2C3D4E5F6	The authorized vendor will receive the "Cloud Related IT Professional Service Code" from the administrative agency.
Effective Price Date	YYYY MM DD	2022 02 15	
Service Price	Currency	\$125.25	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the price for the cloud related IT professional service in US currency (i.e., US dollars) out to two (2) decimal places (i.e., hundredths).</p>
Unit of Measure	Text	Hourly Rate	

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1682 **11.2.1.6. Service Catalog Format**

1683 Authorized vendors shall provide service catalogs in the required format  
1684 provided by the BPA Administering agency. (Sample References: Appendix D  
1685 & E)

1686 Service catalogs shall be provided in spreadsheet machine readable format,  
1687 unlocked, and not password protected. All spreadsheet data shall be contained  
1688 in the appropriate spreadsheet cells with the correct data type (e.g., number,  
1689 text). The spreadsheet shall not contain any embedded images or other  
1690 graphics.

1691 **11.2.1.6.1. Common Catalog Platform**

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1693 During the ordering period of this BPA, it is projected that the GSA Common  
1694 Catalog Platform (CCP) will become operational. The BPA administering  
1695 agency shall provide guidance, instructions, and manage the transition of  
1696 service catalogs under this BPA to the GSA CCP at such future time.

1697 **11.3. Task Order Solicitations**

1698 **11.3.1. No-Bid Notification(s)**

1699 Authorized vendors shall notify the BPA Contracting Officer within X days of the  
1700 TO solicitation closing date when an authorized vendor decides not to submit a  
1701 proposal (i.e., No-Bid). The notification shall include the following information:

- 1702
- Solicitation Number
  - Solicitation Closing Date
  - Contextual explanation for not submitting a proposal (i.e., No-Bid)
- 1703  
1704

1705 **11.3.1.1. Sole Source and Brand Name Solicitation(s)**

1706 Authorized vendors are not required to notify the BPA Contracting Officer of a  
1707 no-bid when the TO solicitation is limited or restricted to a sole source or brand  
1708 name in which they are not authorized.

- 1709 **11.4. Award**
- 1710 **11.4.1. Accounts**
- 1711 **11.4.1.1. Account Requests**
- 1712 Authorized vendors shall submit account requests to the authorized ordering  
1713 entity in accordance with the authorized ordering entity's review and approval  
1714 processes.
- 1715 Authorized vendors shall identify per requested account the required access  
1716 and permissions.
- 1717 **11.4.1.2. Accounts - Cloud Service Providers**
- 1718 **11.4.1.2.1. Existing Accounts**
- 1719 Authorized vendors shall coordinate and support the authorized ordering  
1720 entities in transferring existing CSP accounts.
- 1721 **11.4.1.2.2. New Accounts**
- 1722 Authorized vendors shall coordinate and support the authorized ordering  
1723 entities in creating CSP accounts.
- 1724 **11.4.2. Authorized Task Order Services**
- 1725 Authorized vendors shall restrict, by appropriate mean(s) and mechanism(s)  
1726 (e.g., policy, ACL), authorized ordering entities to only the cloud services (i.e.,  
1727 IaaS, PaaS, SaaS) and / or cloud related IT professional services that have  
1728 been authorized in accordance with authorized ordering entities awarded  
1729 TO(s).
- 1730 **11.4.2.1. Exercise of Option Period of Performance**
- 1731 Authorized vendors shall review, update, and validate authorized cloud  
1732 services and / or cloud related IT professional services on the exercise of an  
1733 option PoP.
- 1734 **11.4.2.2. Modification(s)**
- 1735 Authorized vendors shall review, update, and validate authorized cloud  
1736 services and / or cloud related IT professional services on the issuance of  
1737 TO(s) modifications.

1738 **11.4.3. Task Order(s) Kick-Off Meeting**

1739 Authorized vendors shall coordinate and schedule within 14 calendar days of TO  
1740 award notice a TO Kick-Off Meeting [**Deliverable X**] (i.e., physical meeting,  
1741 virtual meeting).

1742 Authorized vendor's kick-off meeting attendees shall include TO identified key  
1743 personnel and other appropriate authorized vendor's personnel.

1744 Authorized vendors shall provide a Kick-Off Meeting Agenda in slide format  
1745 [**Deliverable X**] for review and approval by the authorized ordering entities COR  
1746 a minimum of 5 calendar days prior to the kick-off meeting. The agenda shall  
1747 include, at a minimum, the following topics:

- 1748 ● Overview of authorized vendor's POC(s) for all TO task(s) or  
1749 deliverable(s).
- 1750 ● Overview of authorized vendor's TO organizational structure (e.g.,  
1751 administrative, cybersecurity, management, technical).
- 1752 ● Overview of TO lines of communications between the authorized vendor  
1753 and the authorized ordering entity (e.g., acquisition, business,  
1754 cybersecurity, operations, technical).
- 1755 ● Overview of authorized vendor's TO management processes (e.g., costs,  
1756 performance, risk management, schedule).
- 1757 ● Overview of authorized vendor's transition-in plan.
- 1758 ● Overview of GFI and GFP to be provided to the authorized vendor.
- 1759 ● Overview of authorized vendor's required personnel security clearances  
1760 and credentials (e.g., HSPD-12).
- 1761 ● Overview of authorized vendor's required personnel access (e.g.,  
1762 facilities, systems), accounts (e.g., user, system), and permissions (e.g.,  
1763 read, write, execute).
- 1764 ● Overview of authorized ordering entity's travel request submissions and  
1765 approval processes and requirements.
- 1766 ● Overview of authorized ordering entity's purchase request submissions  
1767 and approval processes and requirements (e.g., OLM purchase  
1768 requests).
- 1769 ● Overview of TO deliverables (e.g., submission, review, acceptance).
- 1770 ● Overview of TO financial and accounting requirements (e.g., charge  
1771 codes, CLIN structure).
- 1772 ● Overview of TO risks.

1773 Authorized vendors shall draft and provide a Kick-Off Meeting Minutes Report  
1774 [**Deliverable X**], within 7 calendar days after the kick-off meeting, documenting  
1775 the TO kick-off meeting attendees, discussions, decisions, guidance, and action  
1776 items.

1777 **11.5. Post Award**

1778 **11.5.1. Accounts**

1779 **11.5.1.1. Account Change Requests**

1780 Authorized vendors shall notify authorized ordering entities when account  
1781 access or permission changes are required (e.g., new accounts, account  
1782 deletions).

1783 **11.5.2. Utilization Based Discounts**

1784 Authorized vendors, when using utilization based discounts, shall provide  
1785 written notification **[Deliverable X]** to authorized ordering entities' ACO at least  
1786 60 calendar days prior to the PoP end date that identifies:

- 1787
- Utilization discounts earned to date for the PoP; and
  - Utilization discounts projected to be earned to the PoP end date.
- 1788

1789 Authorized vendors, when using utilization based discounts, shall provide  
1790 written notification **[Deliverable X]** to authorized ordering entities ACO within  
1791 30 calendar days after the exercise of a PoP (i.e., PoP start date) that  
1792 identifies:

- 1793
- Utilization discounts earned and applied to the PoP.
- 1794

1795 **11.5.3. Invoicing**

1796 Authorized vendors shall generate and deliver accurate, complete, and timely  
1797 invoices for cloud services (i.e., IaaS, PaaS, SaaS) and / or cloud-related IT  
1798 professional services that they are authorized to provide under their awarded  
1799 TO(s).

1800 **11.5.3.1. Authorized Catalog Services**

1801 Authorized vendors invoices shall only include the cloud services and / or  
1802 cloud-related IT professional services that they have provided and been  
1803 authorized to provide in accordance with their approved service catalogs.

1804 **11.5.3.1.1. Unauthorized Catalog Services, Costs**

1805 Authorized vendors shall not invoice or otherwise claim costs for unauthorized  
1806 cloud services and / or cloud-related IT professional services that they have  
1807 provided and were not authorized to provide in accordance with their approved  
1808 service catalogs.

1809 **11.5.3.2. Authorized Task Order(s) Services**

1810 Authorized vendors invoices shall only include the cloud services and / or  
1811 cloud-related IT professional services that they have provided and been  
1812 authorized to provide in accordance with their awarded TO(s).

1813 **11.5.3.2.1. Unauthorized Task Order(s) Services, Costs**

1814 Authorized vendors shall not invoice or otherwise claim costs for unauthorized  
1815 cloud services and / or cloud-related IT professional services that they have  
1816 provided and were not authorized to provide in accordance with their awarded  
1817 TO(s).

1818 **11.5.3.3. Erroneous Calculations, Configurations, Settings**

1819 Authorized vendors shall not invoice or otherwise claim costs for cloud services  
1820 and / or cloud-related IT professional services that resulted from authorized  
1821 vendors' erroneous calculations, configurations, or settings.

1822 **11.5.3.4. Invoicing Fixed Price (FP), Labor Hour (LH)**

1823 **11.5.3.4.1. Data Elements**

1824 Authorized vendors FP and LH invoice(s) shall include the required data  
1825 elements and may include the optional data elements. (Reference Appendix F)

1826 Data elements that have no value or are NA shall have a value of "NULL".

<b>Table 13: Invoicing FP, LH Required Data Elements</b>			
<b>Data Element</b>	<b>Format</b>	<b>Examples / [Valid Values]</b>	<b>Notes</b>
BPA Award Number	Alphanumeric	01ABC123	
TO Award Number	Alphanumeric	02DEF456	
TO PoP	Numerical	00, 01, 02, 03	
TO PoP Start Date	YYYY MM DD	2022 01 01	
TO PoP End Date	YYYY MM DD	2022 12 31	
TO CLIN	Numerical, Alphanumeric	1001, 0001A, A001	
To Sub-CLIN	Numerical, Alphanumeric	1001, 0001A, A001	
TO CLIN Type	Text	<b>[FFP, FP, FUP, LH]</b>	
Service Name	Text	Large Server, Cybersecurity Forensics	

CSP Identifier / Cloud Related IT Professional Service Code	Text, Numerical, Alphanumeric	ABCDEFGHI, 1234567890, A1B2C3D4E5F6	<p>1. Identifies the CSP's unique code (e.g., UPC) for each cloud service and is universal across resellers. The "CSP Identifier" should also be universal across commercial and non-commercial (e.g., government) customers.</p> <p>2. Shall match the "CSP Identifier" from the authorized vendor's BPA catalog for the service.</p> <p>3. The authorized vendor shall receive the "Cloud Related IT Professional Service Code(s)" from the administrative agency.</p>
Service Start Date	YYYY MM DD	2022 07 01	Identifies the date that the service began incurring costs (e.g., billable start date) within the invoice period.
Service End Date	YYYY MM DD	2022 07 31	Identifies the date that the service stopped incurring costs (e.g., billable start date) within the invoice period.
Catalog Service Price	Currency	\$5.4321	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the service price for a quantity of one (1), from the authorized vendor's BPA catalog, for the service in US currency (i.e., US dollars) out to four (4) decimal places (i.e., ten-thousandths) for cloud services and out to two (2) decimal places (i.e., hundredths) for cloud-related IT professional services.</p>
Service Price Discount	Percentage	8.5%, 12%	If the TO negotiated a percentage(s) discount from the authorized vendor's catalog, or subset of services from the catalog, the percentage discount shall be listed. If the TO negotiated individual and discrete prices per service, the "Service Price Discount" shall have a value of "NULL".



TO Service Price	Currency	\$5.4321	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the TO service price in US currency (i.e., US dollars) out to four (4) decimal places (i.e., ten-thousandths) for cloud services and out to two (2) decimal places (i.e., hundredths) for cloud-related IT professional services.</p>
Unit of Measure	Text	Labor Hour, Compute per Hour, Subscription	
Quantity	Numerical	1, 1.5, 25, 1,234	
Total Cost	Currency	\$56.98	<p>1. Identifies the total price in US currency (i.e., US dollars) out to four (4) decimal places (i.e., ten-thousandths) for cloud services and out to two (2) decimal places (i.e., hundredths) for cloud-related IT professional services.</p> <p>2. "Total Cost" = "TO Service Price" x "Quantity"</p>

1828

Table 14: Invoicing FP, LH Optional Data Elements			
Data Element	Format	Examples / [Valid Values]	Notes
SKU	Text, Numerical, Alphanumeric	ABCDEFGHI, 1234567890, A1B2C3D4E5F6	

1829

1830 **11.5.3.5. Invoicing Time and Materials**

1831 **11.5.3.5.1. Data Elements**

1832 Authorized vendors T&M invoice(s) shall include the required data elements and may include the optional data elements.  
 1833 (Reference Appendix G)

1834 Data elements that have no value or are NA shall have a value of "NULL".

<b>Table 15: Invoicing T&amp;M Required Data Elements</b>			
<b>Data Element</b>	<b>Format</b>	<b>Examples / [Valid Values]</b>	<b>Notes</b>
BPA Award Number	Alphanumeric	01ABC123	
TO Award Number	Alphanumeric	02DEF456	
TO PoP	Numerical	00, 01, 02, 03	
TO PoP Start Date	YYYY MM DD	2022 01 01	
TO PoP End Date	YYYY MM DD	2022 12 31	
TO CLIN	Numerical, Alphanumeric	1001, 0001A, A001	
To Sub-CLIN	Numerical, Alphanumeric	1001, 0001A, A001	

TO CLIN Type	Text	T&M	
Service Name	Text	Large Server, Cybersecurity Forensics	
CSP Identifier / Cloud Related IT Professional Service Code	Text, Numerical, Alphanumeric	ABCDEFGHI, 1234567890, A1B2C3D4E5F6	<p>1. Identifies the CSP's unique code (e.g., UPC) for each cloud service and is universal across resellers. The "CSP Identifier" should also be universal across commercial and non-commercial (e.g., government) customers.</p> <p>2. Shall match the "CSP Identifier" from the authorized vendor's BPA catalog for the service.</p> <p>3. The authorized vendor shall receive the "Cloud Related IT Professional Service Code(s)" from the administrative agency.</p>
Service Start Date	YYYY MM DD	2022 07 01	Identifies the date that the service began incurring costs (e.g., billable start date) within the invoice period.
Service End Date	YYYY MM DD	2022 07 31	Identifies the date that the service stopped incurring costs (e.g., billable start date) within the invoice period.
Catalog Service Price:	Currency	\$5.4321	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the service price for a quantity of one (1), from the authorized vendor's BPA catalog, for the service in US currency (i.e., US dollars) out to four (4) decimal places (i.e., ten-thousandths) for cloud services and out to two (2) decimal places (i.e., hundredths) for cloud-related IT professional services.</p>
TO Ceiling Price	Currency	\$5.4321	1. All currency values are to be denominated in US currency (i.e., US dollars).

			<p>2. Identifies the service maximum allowable price for quantity of one (1), allowable under the awarded TO, for the service in US currency (i.e., US dollars) out to four (4) decimal places (i.e., ten-thousandths) for cloud services and out to two (2) decimal places (i.e., hundredths) for cloud-related IT professional services.</p>
Direct Costs	Currency	\$6.75	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the summation of all allowable direct costs (e.g., direct labor, fringe benefits) for the service in US currency (i.e., US dollars) out to two (2) decimal places (i.e., hundredths).</p>
Indirect Costs	Currency	\$9.34	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the summation of all allowable indirect costs (e.g., overhead, G&amp;A) for the service in US currency (i.e., US dollars) out to two (2) decimal places (i.e., hundredths).</p>
Fixed Handling Factor	Currency	\$2.45	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the TO negotiated fixed handling factor for the service in US currency (i.e., US dollars) out to two (2) decimal places (i.e., hundredths).</p>
Profit	Currency	\$4.15	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the TO negotiated profit for the service in US currency (i.e., US dollars) out to two (2) decimal places (i.e., hundredths).</p>

Unit of Measure	Text	Labor Hour, Flight	
Quantity	Numerical	1, 1.5, 25, 1,234	
Total Cost	Currency	\$56.98	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. "Total Cost" = ("Direct Costs" + "Indirect Costs" + "Fixed Handling Factor" + "Profit") x "Quantity"</p>

1835

:

**Table 16: Invoicing T&M Optional Data Elements**

Data Element	Format	Examples / [Valid Values]	Notes
SKU	Text, Numerical, Alphanumeric	ABCDEFGHI, 1234567890, A1B2C3D4E5F6	

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1838 **11.5.3.6. Invoicing Format**

1839 Authorized vendors shall provide invoices in the required format. (Sample  
1840 References: Appendix F & G)

1841 **11.5.3.7. Invoicing Submissions**

1842 Authorized vendors shall submit invoices to the authorized ordering entities no  
1843 less than once per month (i.e., monthly) for the cloud services and / or the  
1844 cloud-related IT professional services provided.

1845 Authorized vendors shall include, with invoice submissions to the authorized  
1846 ordering entities, the automated invoice validation confirmation.

1847 **11.5.3.8. Invoicing Validation**

1848 Authorized vendors shall submit all invoices to the BPA Contracting Officer's  
1849 automated invoice validation service prior to invoice submissions to the  
1850 authorized ordering entity.

1851 Authorized vendors shall review and resolve all identified disconnects,  
1852 inconsistencies, errors, and other anomalies identified by the automated  
1853 validation service prior to invoice submissions to the authorized ordering entity.

1854 **11.5.3.9. Paid Invoices**

1855 Authorized vendors shall provide the BPA Administering Agency, at least  
1856 monthly, with copies of all authorized ordering entities paid invoices  
1857 **[Deliverable X]**

1858 **11.5.4. Past Performance Evaluations**

1859 Authorized vendors shall submit comments, rebutting statements, or additional  
1860 information within 14 calendar days of CPARS system notifications of  
1861 availability of past performance evaluations.

1862 **11.5.5. Networking and Routing**

1863 Authorized vendors shall coordinate with and provide authorized ordering  
1864 entities with required networking (e.g., MAC addresses) and routing  
1865 configuration information (e.g., IP addresses) to allow authorized ordering  
1866 entities to configure authorized ordering entities' networks (e.g., firewalls,  
1867 MTIPS, TIC) to connect to authorized vendors' cloud services (i.e., IaaS, PaaS,  
1868 SaaS).

1869 **11.5.6. Non-Personal Services**

1870 Authorized vendors shall immediately notify the ACO and COR, for the  
1871 respective awarded TO, if an authorized vendor believes that any actions  
1872 constitute or are perceived to constitute personal services.

1873 **11.5.7. Points of Contact**

1874 Authorized vendors shall identify per awarded TO(s) the authorized vendor's  
1875 POC responsible for addressing and responding to communications, concerns,  
1876 inquiries, or issues from the authorized ordering entities for the following  
1877 minimum areas of responsibilities.

1878

Table 17: Authorized Vendor's Point of Contacts			
Position	Name	Title	Email Address
Acquisitions			
Cybersecurity			
Financial / Invoicing			
Program / Project Management			
Purchase Requests			
Technical			
Travel			

1879  
1880 Authorized vendors may identify one (1) or more of the same or different POCs  
1881 for each area of responsibility.

1882 **11.5.8. Services Summary Report**

1883 Authorized vendors shall deliver to authorized ordering entities a Services  
1884 Summary Report [**Deliverable X**] at the end of each FFP PoP. The Services  
1885 Summary Report shall be delivered within 30 days after the end of each FFP  
1886 PoP.

1887 The Services Summary Report shall not include detailed cost information.



1888 **11.5.8.1. Required Data Elements**

1889 The Services Summary Report (Reference Appendix H) shall include the  
1890 following minimum required data elements as follows:

1891 Data elements that have no value or are NA shall have a value of "NULL".

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Table 18: Service Summary Report			
Data Element	Format	Examples or [Valid Values]	Notes
BPA Award Number	Alphanumeric	01ABC123	
TO Award Number	Alphanumeric	02DEF456	
TO PoP	Numerical	00, 01, 02, 03	
TO PoP Start Date	YYYY MM DD	2022 01 01	
TO PoP End Date	YYYY MM DD	2022 12 31	
TO CLIN	Numerical, Alphanumeric	1001, 0001A, A001	
Service Name	Text	Large Server, Cybersecurity Forensics	
CSP Identifier / Cloud Related IT Professional Service Code	Text, Numerical, Alphanumeric	ABCDEFGHI, 1234567890, A1B2C3D4E5F6	<p>1. Identifies the CSP's unique code (e.g., UPC) for each cloud service and is universal across resellers. The "CSP Identifier" should also be universal across commercial and non-commercial (e.g., government) customers.</p> <p>2. Shall match the "CSP Identifier" from the authorized vendor's BPA catalog for the service.</p> <p>3. The authorized vendor shall receive the "Cloud Related IT Professional Service Code(s)" from the BPA Contracting</p>

			Officer.
Average Service Utilization Rate	Percentage	75%, 98%, NULL	Identifies the average utilization of the cloud service (i.e., IaaS, PaaS, SaaS) during the PoP.
Unit of Measure	Text	Labor Hour, Compute per Hour, Subscription, NULL	
Cost Element		<b>[Cost, No Cost]</b>	Identifies if the cloud service (i.e., IaaS, PaaS, SaaS) incurred a cost or no cost to the authorized vendor.

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1895 **11.5.9. Expanded Transactional Data Reporting**

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1897 **11.5.10. Travel**

1898 **11.5.10.1. Task Order(s) Travel Requests**

1899 Authorized vendors shall submit their travel requests to authorized ordering  
1900 entities in accordance with the authorized ordering entities requirements (e.g.,  
1901 timeframe, format, information).

1902 **11.5.10.2. Task Order(s) Travel Documentation**

1903 Authorized vendors shall be responsible for obtaining all necessary travel  
1904 documents (e.g., passports, Visas, medical tests) required to execute travel.

1905 **11.5.10.3. Task Order(s) Travel Invoices**

1906 Authorized vendors shall invoice for incurred travel costs within 60 calendar  
1907 days of the completion of each approved travel.

1908 Authorized vendors shall include all required supporting documentation (e.g.,  
1909 receipts) for each approved travel with the travel invoices.

1910

1911 **12. Pool 1: Infrastructure as a Service,**  
1912 **Platform as a Service**

1913 Authorized vendors shall provide IaaS and PaaS solutions in accordance with  
1914 the following requirements.

1915 **12.1. Acquisition Requirements**

1916 RESERVED

1917 **12.1.1. Authorized Task Order(s) Services**

1918 Authorized vendors shall provide a mean(s) and mechanism(s) (e.g., policy,  
1919 ACL) to restrict authorized ordering entities to only the IaaS and PaaS cloud

1920 services that have been authorized in accordance with the authorized  
1921 ordering entities' awarded TO(s).

1922 **12.1.2. Section 508 Compliance**

1923 Authorized vendors shall provide IaaS and PaaS cloud services that are  
1924 compliant with Section 508 of the *Rehabilitation Act (29 U.S.C. 794d)* and  
1925 Section 255 of the *Telecommunications Act of 1996 (47 U.S.C. 255)*.<sup>103, 104</sup>

1926 Authorized vendors shall provide the BPA Contracting Officer with a VPAT<sup>(TM)</sup>  
1927 for each IaaS and PaaS CSO.<sup>105</sup>

1928 Authorized vendors shall ensure the VPAT<sup>(TM)</sup> on file with the BPA Contracting  
1929 Officer remains accurate and up to date for each IaaS and PaaS CSO.

1930 **12.1.2.1. Task Order(s), Section 508 Compliance**

1931 Authorized ordering entities are authorized to identify additional Section 508  
1932 Compliance requirements at the TO level.

1933 **12.1.2.2. Task Order(s), Section 508 Exceptions**

1934 Authorized ordering entities shall identify Section 508 exceptions at the TO  
1935 level.

1936 **12.2. Business Requirements**

1937 RESERVED

1938 **12.2.1. Costs Management**

1939 Authorized vendors shall provide an interactive Graphical User Interface (GUI)  
1940 (e.g., dashboard, portal) that allows authorized ordering entities to manage and  
1941 monitor IaaS and PaaS cloud services costs (i.e., measured services).

1942 **12.2.1.1. Budgets**

1943 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
1944 authorized ordering entities to enter and establish budgets for each IaaS and  
1945 PaaS cloud service.

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<sup>103</sup> FAR 39.2 Information and Communication Technology

<sup>104</sup> 36 CFR 1194 Information and Communications Technology Standards and Guidelines

<sup>105</sup> Executive Order 14035: Diversity, Equity, Inclusion, and Accessibility in the Federal Workforce

1946 **12.2.1.2. Budget Notifications**

1947 Authorized vendors shall provide a mean(s) and mechanism(s) (e.g., email,  
1948 SMS) that notifies authorized ordering entities when an IaaS or PaaS cloud  
1949 service has incurred costs exceeding the defined thresholds of 50%, 75%, and  
1950 100% of their budgets.

1951 **12.2.1.3. Cost Allocation Tag(s)**

1952 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
1953 authorized ordering entities to establish and assign cost allocation tag(s) (e.g.,  
1954 application, environment, office, program) for each IaaS and PaaS cloud  
1955 service.

1956 The default cost allocation tag shall be the authorized ordering entity.

1957 **12.2.1.4. Cost Information**

1958 **12.2.1.4.1. Application Programming Interfaces (APIs), Cost Information**

1959 Authorized vendors shall provide secure API(s) and / or Electronic Data  
1960 Interchange (EDI)(s) that allows authorized ordering entities to access and  
1961 download (i.e., pull) directly, and by third party applications, their:

- 1962 • Real-time cost information, required data elements
- 1963 • Archived cost information, required data elements datasets.

1964 The downloaded datasets shall be identical (e.g., completeness, granularity,  
1965 periodicity) to the datasets used for the respective required interactive GUIs.

1966 The downloaded data sets shall not be more than 15 minutes older (objective)  
1967 than the datasets used for the respective required interactive GUIs.

1968 Authorized ordering entities, by the provided secure API(s) and / or EDI(s),  
1969 shall be able to identify the datasets date range (e.g., Jan 1, 2021 to Jan 21,  
1970 2021) and duration (e.g., 7 days, 45 days, 115 days), within the active and  
1971 expired PoP(s) (e.g., sliding window), for download.

1972 **12.2.1.4.2. Real-Time Cost Information**

1973 Authorized vendors shall provide an interactive GUI (e.g., dashboard, portal)  
1974 that displays and presents, for the active and PoP, the following required real-  
1975 time cost data elements, updated at a minimum within the past 24 hours, for  
1976 each IaaS and PaaS cloud service used by an authorized ordering entity (i.e.,  
1977 measured service).

Table 19: Real-Time Cost Information Required Data Elements			
Data Element	Format	Examples / [Valid Values]	Notes
Service Name	Text	Large Server	
Operational Status	Text	Active, Suspended, Terminated	
Budgeted Costs	Currency	\$15,000.00	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the budgeted value entered by the authorized vendors or authorized ordering entities. If no "Budgeted Costs" has been established a value of "Null" shall be displayed.</p>
Costs to Date	Currency	\$6,500.50	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the total cumulative cost to date for the cloud service during the active PoP (e.g., currently executing PoP).</p>
Costs Projection, 7 Days	Currency	\$7,500.75	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the estimated "Costs to Date" plus (+) seven (7) days into the future.</p>
Costs Projection, 30 Days	Currency	\$10,100.10	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p>

			2. Identifies the estimated "Costs to Date" plus (+) thirty (30) days into the future.
Costs Expenditure, 50%	YYYY MM DD	2021 03 15	Identifies the estimated date in which 50% of the "Budgeted Costs" will be expended or the date on which 50% of the "Budgeted Costs" were expended.
Costs Expenditure, 75%	YYYY MM DD	2021 06 15	Identifies the estimated date in which 75% of the "Budgeted Costs" will be expended or the date on which 75% of the "Budgeted Costs" were expended.
Costs Expenditure, 100%	YYYY MM DD	2021 09 30	Identifies the estimated date in which 100% of the "Budgeted Costs" will be expended or the date on which 100% of the "Budgeted Costs" were expended.
Cost Allocation Tag(s)	Text	Payroll, Development, Human Resources	1. Identifies the cost allocation value(s) entered by the authorized ordering entity. 2. The default "Cost Allocation Tag" shall be the authorized ordering entity.

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Authorized ordering entities shall be able to isolate and view cost information for any date range (e.g., Jan 1, 2021 to Jan 21, 2021) and duration (e.g., 7 days, 45 days, 115 days) within the active PoP (e.g., sliding window).

**2.1.4.3. Archived Cost Information**

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Authorized vendors shall provide an interactive GUI (e.g., dashboard, portal) that displays and presents, for expired PoP(s), the following required archived cost data elements for each IaaS and PaaS cloud services used by an authorized ordering entity (i.e., measured services).

**Table 20: Archived Cost Information Required Data Elements**



Data Element	Format	Examples / [Valid Values]	Notes
Service Name	Text	Large Server	
Budgeted Costs	Currency	\$15,000.00	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the budgeted value entered by the authorized vendors or authorized ordering entities. If no "Budgeted Costs" has been established a value of "Null" shall be displayed.</p>
Costs to Date	Currency	\$14,950.00	<p>1. All currency values are to be denominated in US currency (i.e., US dollars).</p> <p>2. Identifies the total cumulative cost for the cloud service during the expired PoP(s).</p>
Cost Allocation Tag(s)	Text	Payroll, Development, Human Resources	<p>1. Identifies the cost allocation value(s) entered by the authorized ordering entity.</p> <p>2. The default "Cost Allocation Tag" shall be the authorized ordering entity.</p>

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1988 **12.3. Cybersecurity Requirements**

1989 **12.3.1. Cybersecurity Notifications and**  
1990 **Acknowledgements**

1991 Authorized vendors shall provide a mean(s) and mechanism(s) that notifies at a  
1992 minimum the authorized ordering entities cybersecurity POC(s) of cybersecurity  
1993 announcements, bulletins, watches, warnings, etc.

1994 Authorized vendors shall provide a mean(s) and mechanism(s) that requires  
1995 the authorized ordering entities cybersecurity POC(s) to acknowledge the  
1996 cybersecurity announcements, bulletins, warnings, etc.

1997 Authorized vendors shall provide a mean(s) and mechanism(s) that records the  
1998 authorized ordering entities cybersecurity POC(s) acknowledgement of the  
1999 cybersecurity announcements, bulletins, watches, warnings, etc.

2000 **12.3.1.1. Application Programming Interfaces, Cybersecurity**  
2001 **Notifications**

2002 Authorized vendors shall provide secure API(s) and / or EDI(s) that allows  
2003 authorized vendors to push and download to authorized ordering entities and  
2004 third-party applications:

- 2005 • Cybersecurity notifications.

2006 The pushed and downloaded notifications information shall be identical to the  
2007 notifications information that authorized ordering entities cybersecurity POC(s)  
2008 receive.

2009 The pushed and downloaded notifications information shall not be more than  
2010 15 minutes older (objective) than the notifications information that authorized  
2011 ordering entities cybersecurity POC(s) receive.

2012 Authorized ordering entities, by the provided secure API(s) and / or EDI(s),  
2013 shall be able to identify the notification date range (e.g., Jan 1, 2021 to Jan 21,  
2014 2021) and duration (e.g., 7 days, 45 days, 115 days), within the active and  
2015 expired PoP(s) (e.g., sliding window), for download.

2016 **12.3.2. Cybersecurity Tag(s)**

2017 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2018 authorized ordering entities to establish and assign cybersecurity tag(s) to each  
2019 IaaS and PaaS cloud services (e.g., compliance, FIPS, access control).

2020 **12.3.3. Identity and Access Management**

2021 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2022 authorized ordering entities to perform identity management and access  
2023 management (i.e., IAM) for each IaaS and PaaS cloud service.

2024 **12.3.3.1. Application Programming Interfaces, Identity and Access  
2025 Management**

2026 Authorized vendors shall provide secure API(s) and / or EDI(s) that allows  
2027 authorized ordering entities, directly and by third party applications, to perform  
2028 identity management and access management (i.e., IAM) for each IaaS and  
2029 PaaS cloud service.

2030 Authorized ordering entities, by the provided secure API(s) and / or EDI(s),  
2031 shall be able to configure identities (i.e., add, modify, delete) and permissions  
2032 (i.e., read, write, execute) for each IaaS and PaaS cloud service.

2033 **12.3.3.2. Identity Management**

2034 Authorized vendors' identity management shall support at a minimum the  
2035 addition, modification, and deletion of digital (e.g., application, hardware) and  
2036 user (e.g., individual, role, group) identities.

2037 User identities at a minimum shall include individual, role, and group identities.

2038 **12.3.3.3. Access Management**

2039 Authorized vendors' access management shall allow authorized ordering  
2040 entities to configure and assign access permissions on a digital (e.g.,  
2041 application) and individual (e.g., John Smith), role (e.g., admin, cloud  
2042 engineer), and group (e.g., cybersecurity team, financial team) basis.<sup>106</sup>

2043 Access permissions at a minimum shall include read, write, and execute.

2044 **12.4. Environmental Requirements<sup>107</sup>**

2045 **12.4.1. Carbon Pollution-Free Electricity (CFE)**

2046 Authorized vendors shall power (i.e., electrify) their data centers, providing  
2047 IaaS and PaaS cloud services, using carbon pollution-free electricity (e.g.,  
2048 geothermal, hydroelectric, hydrokinetic, nuclear, solar, wind).

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<sup>106</sup> NIST, SP 800-210: General Access Control Guidance for Cloud Systems

<sup>107</sup> GSAM 552.238-78 Identification of Products that Have Environmental Attributes

2049 Authorized vendors shall achieve the following carbon pollution-free electricity  
 2050 minimum percentage rates by the following dates.

Table 21: Carbon Pollution-Free Electricity	
Minimum Percentage	Date
<<X%>	<<December 31, 20XX>>
75%	December 31, 2028
100%	December 31, 2030

2051 **12.4.1.1. Exclusion, Emergency and Standby Power**

2052 Data center power (i.e., electricity) from emergency and standby power backup  
 2053 systems (e.g., fossil fuel generators, gas turbines) are excluded from the CFE  
 2054 minimum percentage calculation.

2055 **12.4.1.2. Exclusion, Declared Disasters and Emergencies**

2056 Data center power (i.e., electricity) from non-CFE sources are excluded from  
 2057 the CFE minimum percentage calculation when CFE sources are negatively  
 2058 impacted (e.g., cost, generation, reliability, sine waveform (e.g., amplitude,  
 2059 frequency, phase), stability, transmission) by declared disasters or  
 2060 emergencies that may be natural or man-made, including acts of terrorism  
 2061 (e.g., biological, chemical, nuclear, radiological). Disasters or emergencies may  
 2062 be declared by local, state, tribal, or federal authorities to include NERC (i.e.,  
 2063 ERO for the US) and Regional Entities (i.e., MRO, NPCC, RF, SERC, Texas  
 2064 RE, WECC).

2065 **12.4.2. Energy Efficiency**

2066 Authorized vendors shall provide IaaS and PaaS cloud services that use  
2067 ENERGY STAR® or EPEAT certified hardware.

2068 **12.4.2.1. Task Order(s), Energy Efficiency**

2069 Authorized ordering entities are authorized to identify additional energy  
2070 efficiency requirements at the TO level.

2071 **12.5. Operational Requirements**

2072 **12.5.1. Operational Management**

2073 Authorized vendors shall provide an interactive GUI (e.g., dashboard, portal)  
2074 that allows authorized ordering entities to activate, configure, suspend, and  
2075 terminate each IaaS and PaaS cloud services (i.e., on-demand self-service).

2076 **12.5.1.1. Application Programming Interfaces, Operational  
2077 Management**

2078 Authorized vendors shall provide secure API(s) and / or EDI(s) that allows  
2079 authorized ordering entities, directly and by third party applications, to activate,  
2080 configure, suspend, and terminate each IaaS and PaaS cloud services (i.e., on-  
2081 demand self-service).

2082 Authorized ordering entities, by the provided secure API(s) and / or EDI(s),  
2083 shall be able to configure:

- 2084 • Autoscaling (e.g., autoscaling thresholds) for each IaaS and PaaS cloud  
2085 services.

2086 **12.5.1.2. Automation**

2087 **12.5.1.2.1. Task Order(s), Automation**

2088 Authorized ordering entities are authorized to identify additional automation  
2089 requirements at the TO level.

2090 **12.5.1.3. Autoscaling**

2091 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2092 each IaaS and PaaS cloud services to autoscale up and down based on  
2093 utilization (e.g., demand).

2094 **12.5.1.3.1. Autoscaling Thresholds**

2095 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2096 authorized ordering entities to establish autoscaling utilization thresholds (e.g.,  
2097 triggers, scale up at 90% utilization, scale down at 25% utilization) for each  
2098 IaaS and PaaS cloud service.

2099 **12.5.1.3.2. Autoscaling Minimum**

2100 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2101 authorized ordering entities to establish a minimum (e.g., floor, 1 compute  
2102 instance) for each IaaS and PaaS cloud service.

2103 **12.5.1.3.3. Autoscaling Maximum**

2104 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2105 authorized ordering entities to establish a maximum (e.g., ceiling, 5 compute  
2106 instances) for each IaaS and PaaS cloud service.

2107 **12.5.1.4. Automation Tag(s)**

2108 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2109 authorized ordering entities to establish and assign automation tag(s) to each  
2110 IaaS and PaaS cloud services (e.g., autoscaling, operating hours, rapid  
2111 elasticity).

2112 **12.5.1.5. Technical Tag(s)**

2113 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2114 authorized ordering entities to establish and assign technical tag(s) to each  
2115 IaaS and PaaS cloud service (e.g., domain, environment, license, location,  
2116 OS).

2117 **12.5.1.6. Operational Information**

2118 **12.5.1.6.1. Application Programming Interfaces, Operational Information**

2119 Authorized vendors shall provide secure API(s) and / or EDI(s) that allows  
2120 authorized ordering entities to access and download (i.e., pull) directly, and by  
2121 third party applications, their:

- 2122
- Real-time operational information, required data elements;
  - 2123 • Historical operational information, required data elements; and
  - 2124 • Archived operational information, required data elements datasets.
- 2125

2126 The downloaded data sets shall be identical (e.g., completeness, granularity,  
2127 periodicity) to the datasets used for the respective required interactive GUIs.

2128 The downloaded datasets shall not be more than 15 minutes older (objective)  
2129 than the datasets used for the respective required interactive GUIs.

2130 Authorized ordering entities, by the provided secure API(s) and / or EDI(s),  
2131 shall be able to identify the datasets date range (e.g., Jan 1, 2021 to Jan 21,  
2132 2021) and duration (e.g., 7 days, 45 days, 115 days), within the active and  
2133 expired PoP(s) (e.g., sliding window), for download.

2134 **12.5.1.6.2. Real-Time Operational Information**

2135 Authorized vendors shall provide an interactive GUI (e.g., dashboard, portal)  
2136 that displays and presents the following required real-time operational  
2137 information, for the past 24 hours, for each IaaS and PaaS cloud services used  
2138 by an authorized ordering entity (i.e., measured services).

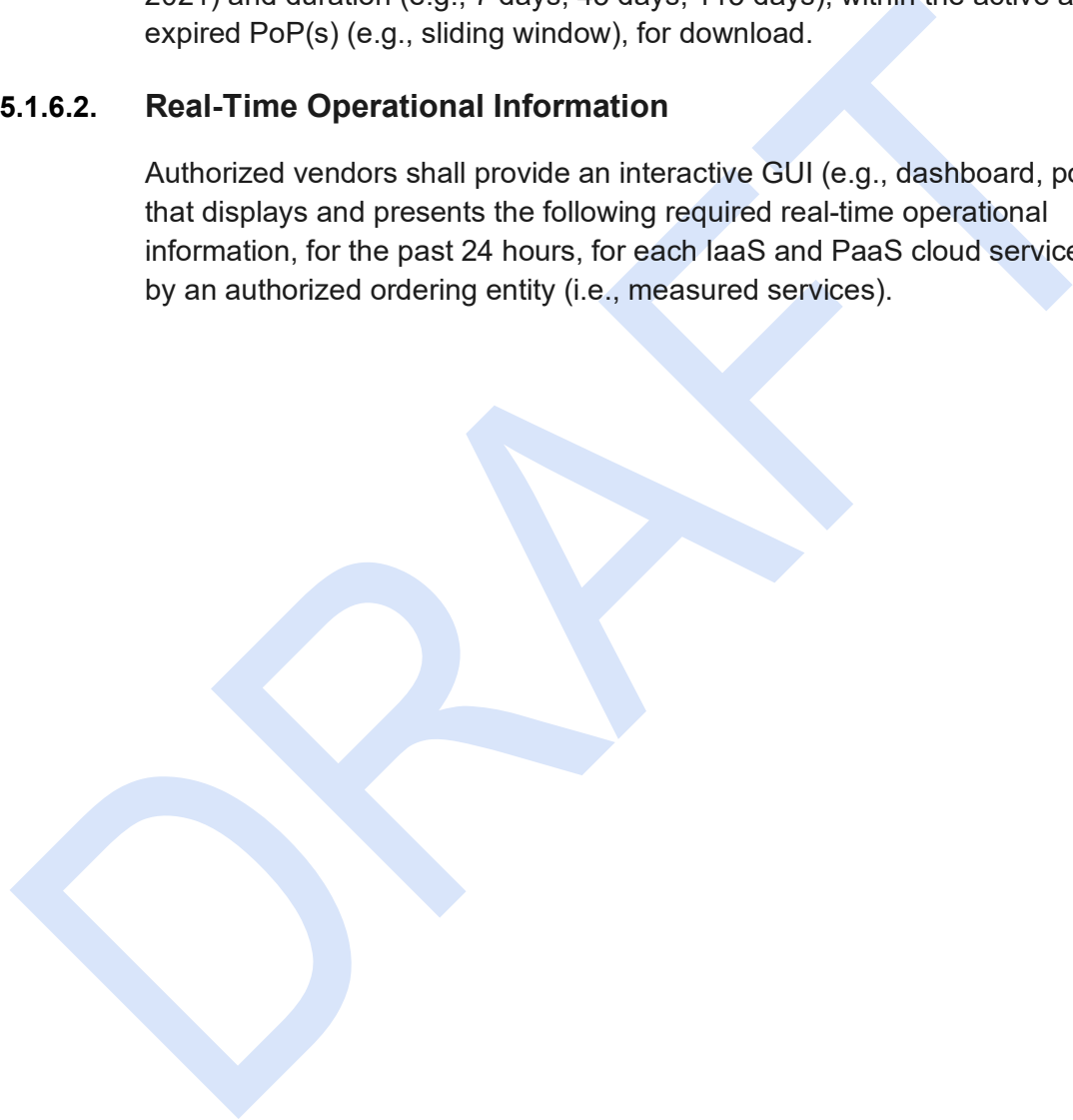


Table 22: Real-Time Operational Information Required Data Elements			
Data Element	Format	Examples / [Valid Values]	Notes
Service Name	Text	Large Server	
Operational Status	Text	Active, Suspended, Terminated	
Performance Status	Text	Operational, Degraded, Interrupted, Down	Identifies the current performance status of the cloud service reported by the CSP.
Operational Notifications	Text, URL	Notice of Maintenance, www.maintenance.com	Identifies if the cloud service has a planned future operational activity (e.g., emergency maintenance, maintenance window, service discontinuation) and either displays the information directly or provides a URL to information resources.
Uptime	Days:Hours:Minutes:Seconds	364:23:45:59	Identifies the total cumulative time (e.g., duration) that the cloud service has been active during the PoP (e.g., currently executing PoP). Only cloud services that are in an active status accumulate uptime.
Utilization Rate - Average	Percentage	85%	
Utilization Rate - Mean	Percentage	80%	
Utilization Rate - Peak	Percentage	99%	
Utilization Rate - Minimum	Percentage	55%	
Energy Efficient Cloud	Text, Image	Yes, No, EPEAT <sup>(TM)</sup>	Identifies if the cloud service operates on EPEAT <sup>(TM)</sup> or



Service <sup>108</sup>		Logo, ENERGY STAR® Logo	ENERGY STAR® Certified equipment (e.g., servers, storage, networking equipment).
Service Allocation Tag(s)	Text	Email, Payroll, Website	1. Identifies the service allocation value(s) entered by the authorized ordering entity. 2. The default "Service Allocation Tag" shall be the authorized ordering entity.
Automation Tag(s)	Text	Weekdays Only, Decommission Date	
Cybersecurity Tag(s)	Text	HIPPA, Government Only, DB Team	
Technical Tag(s)	Text	gsa.gov, Test, CSP Data Center, Linux	

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Authorized ordering entities shall be able to isolate and view real-time operational information for any time period (e.g., 12:30 PM to 1:45 PM) within the previous 24 hours (e.g., sliding window).

<sup>108</sup> GSAM 552.238-78 Identification of Products that Have Environmental Attributes

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2144 **12.5.1.6.3. Historical Operational Information**

2145 Authorized vendors shall provide an interactive GUI (e.g., dashboard, portal) that displays and presents, for the active  
 2146 PoP, the following required historical operational information for each IaaS and PaaS cloud services used by an  
 2147 authorized ordering entity (i.e., measured services).

<b>Table 23: Historical Operational Information Required Data Elements</b>			
Data Element	Format	Examples / [Valid Values]	Notes
Service Name	Text	Large Server	
Operational Status	Text	Active, Suspended, Terminated	
Uptime	Days:Hours:Minutes:Seconds	364:23:45:59	Identifies the total cumulative time (e.g., duration) that the cloud service has been active during the PoP (e.g., currently executing PoP). Only cloud services that are in an active status accumulate uptime.
Utilization Rate - Average	Percentage	90%	
Utilization Rate - Mean	Percentage	87%	
Utilization Rate - Peak	Percentage	99%	
Utilization Rate - Minimum	Percentage	55%	
Energy Efficient Cloud	Text, Image	Yes, No, EPEAT <sup>(TM)</sup> Logo, ENERGY STAR <sup>®</sup>	Identifies if the cloud service operates on EPEAT <sup>(TM)</sup> or ENERGY STAR <sup>®</sup> Certified equipment (e.g., servers, storage,

Service <sup>109</sup>		Logo	networking equipment).
Service Allocation Tag(s)	Text	Email, Payroll, Website	1. Identifies the service allocation value(s) entered by the authorized ordering entity.  2. The default "Service Allocation Tag" shall be the authorized ordering entity.
Automation Tag(s)	Text	Weekdays Only, Decommission Date	
Cybersecurity Tag(s)	Text	HIPPA, Government Only, DB Team	
Technical Tag(s)	Text	gsa.gov, Test, CSP Data Center, Linux	

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Authorized ordering entities shall be able to isolate and view historical operational information for any date range (e.g., Jan 1, 2021 to Jan 21, 2021) and duration (e.g., 7 days, 45 days, 115 days) within the active PoP (e.g., sliding window).

<sup>109</sup> GSAM 552.238-78 Identification of Products that Have Environmental Attributes

2155 **12.5.1.6.4. Archived Operational Information**

2156 Authorized vendors shall provide an interactive GUI (e.g., dashboard, portal) that displays and presents, for expired  
 2157 PoP(s), the following required archived operational information for each IaaS and PaaS cloud services used by an  
 2158 authorized ordering entity (i.e., measured services).

<b>Table 24: Archived Operational Information Required Data Elements</b>			
Data Element	Format	Examples / [Valid Values]	Notes
Service Name	Text	Large Server	
Uptime	Days:Hours:Minutes:Seconds	364:23:45:59	Identifies the total cumulative time (e.g., duration) that the cloud service has been active during the PoP (e.g., currently executing PoP). Only cloud services that are in an active status accumulate uptime.
Utilization Rate - Average	Percentage	90%	
Utilization Rate - Mean	Percentage	87%	
Utilization Rate - Peak	Percentage	99%	
Utilization Rate - Minimum	Percentage	55%	
Energy Efficient Cloud Service <sup>110</sup>	Text, Image	Yes, No, EPEAT <sup>(TM)</sup> Logo, ENERGY STAR <sup>®</sup> Logo	Identifies if the cloud service operates on EPEAT <sup>(TM)</sup> or ENERGY STAR <sup>®</sup> Certified equipment (e.g., servers, storage, networking equipment).
Service Allocation Tag(s)	Text	Email, Payroll, Website	1. Identifies the service allocation value(s) entered by the

<sup>110</sup> GSAM 552.238-78 Identification of Products that Have Environmental Attributes

			authorized ordering entity. 2. The default "Service Allocation Tag" shall be the authorized ordering entity.
Automation Tag(s)	Text	Weekdays Only, Decommission Date	
Cybersecurity Tag(s)	Text	HIPPA, Government Only, DB Team	
Technical Tag(s)	Text	gsa.gov, Test, CSP Data Center, Linux	

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2160 **12.5.2. Operational Notifications**

2161 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2162 authorized ordering entities (e.g., IT employees) to subscribe and receive (e.g.,  
2163 email, telephone call, SMS) cloud services operational notifications.

2164 **12.5.2.1. Application Programming Interfaces, Operational**  
2165 **Notifications**

2166 Authorized vendors shall provide secure API(s) and / or EDI(s) that allows  
2167 authorized vendors to push and download to authorized ordering entities and  
2168 third-party applications:

- 2169 ● Emergency Maintenance Windows
- 2170 ● Negative Service Performance
- 2171 ● Planned Maintenance Windows
- 2172 ● Service Discontinuations notifications

2173  
2174 The pushed and downloaded notifications information shall be identical to the  
2175 notifications information that authorized ordering entities are able to subscribe  
2176 to and receive (e.g., email, telephone call, SMS).

2177 The pushed and downloaded notifications information shall not be more than  
2178 (15 minutes) older (objective) than the notifications information that authorized  
2179 ordering entities are able to subscribe to and receive.

2180 Authorized ordering entities, by the provided secure API(s) and / or EDI(s),  
2181 shall be able to identify the notification date range (e.g., Jan 1, 2021 to Jan 21,  
2182 2021) and duration (e.g., 7 days, 45 days, 115 days), within the active and  
2183 expired PoP(s) (e.g., sliding window), for download.

2184 **12.5.2.2. Notification of Emergency Maintenance Windows**

2185 Authorized vendors shall notify authorized ordering entities of emergency  
2186 maintenance windows as soon as possible.

2187 Emergency maintenance window notifications will identify the following:

- 2188 ● Date and Time of Emergency Maintenance Window;
- 2189 ● Estimated Duration of Emergency Maintenance Window;
- 2190 ● Cloud Services Impacted;
- 2191 ● Emergency Maintenance Window Information or URL to Information
- 2192 Resource(s); and
- 2193 ● Emergency Maintenance Window POC(s).

2194 Authorized vendors shall notify authorized ordering entities when the  
2195 emergency maintenance window has concluded. The notification shall identify  
2196 if authorized ordering entities are required to perform any actions (e.g., restart,  
2197 reconfigure).

### 2198 **12.5.2.3. Notification of Negative Service Performance**

2199 Authorized vendors shall notify authorized ordering entities of negative or  
2200 degraded cloud service(s) performance as soon as possible.

2201 Negative service performance notifications will identify the following:

- 2202 ● Nature of Negative Service Performance (e.g., Degraded, Interrupted,  
2203 Down);
- 2204 ● Estimated Duration of Negative Service Performance;
- 2205 ● Cloud Services Impacted;
- 2206 ● Negative Service Performance Information or URL to Information  
2207 Resource(s); and
- 2208 ● Negative Service Performance POC(s).

2209 Authorized vendors shall notify authorized ordering entities when the negative  
2210 service performance has been resolved. The notification shall identify if  
2211 authorized ordering entities are required to perform any actions (e.g., restart,  
2212 reconfigure).

### 2213 **12.5.2.4. Notification of Planned Maintenance Windows**

2214 Authorized vendors shall notify authorized ordering entities of planned  
2215 maintenance windows a minimum of 30 days, 7 days, and 24 hours in  
2216 advance.

2217 Planned maintenance window notifications will identify the following:

- 2218 ● Date and Time of Planned Maintenance Window;
- 2219 ● Duration of Planned Maintenance Window;
- 2220 ● Cloud Service(s) Impacted;
- 2221 ● Planned Maintenance Window Information or URL to Information  
2222 Resource(s); and
- 2223 ● Planned Maintenance Window POC(s).

2224 Authorized vendors shall notify authorized ordering entities when the planned  
2225 maintenance window has concluded. The notification shall identify if authorized  
2226 ordering entities are required to perform any actions (e.g., restart, reconfigure).

2227 **12.5.2.5. Notification of Service Discontinuations**

2228 Authorized vendors shall notify authorized ordering entities of planned cloud  
2229 service(s) discontinuations (e.g., sunsetting, termination) a minimum of 180  
2230 days, 90 days, 60 days, 30 days, 7 days, and 24 hours in advance.

2231 Service discontinuation notifications will identify the following:

- 2232 ● Date and Time of Service(s) Discontinuation;
- 2233 ● Cloud Service(s) to be Discontinued;
- 2234 ● Service(s) Discontinuation Information or URL to Information Resource(s);
- 2235 and
- 2236 ● Service(s) Discontinuation POC(s).

2237 **12.5.3. Operational Support**

2238 Authorized vendors shall provide 24x7x365 operational support to authorized  
2239 ordering entities.

2240 **12.5.3.1. Tier 0 Operational Support**

2241 Authorized vendors shall provide Tier 0 operational support, to authorized  
2242 ordering entities, that consists of self-help and user-retrieved information  
2243 support (e.g., blog posts, community forums, FAQ, how-tos, manuals, technical  
2244 information, training).  
2245

2246 **12.5.3.2. Tier 1 Operational Support**

2247 Authorized vendors shall provide Tier 1 operational support, to authorized  
2248 ordering entities, that is responsible for capturing all pertinent information  
2249 required to resolve requests, incidents, and work orders and appropriately  
2250 triaging and prioritizing tickets.

2251 Tier 1 operational support consists of resources responsible for resolving basic  
2252 and standard requests, incidents, and work order for the authorized vendor's  
2253 IaaS and PaaS cloud services.

2254 **12.5.3.3. Tier 2 Operational Support**

2255 Authorized vendors shall provide Tier 2 operational support, to authorized  
2256 ordering entities, that is responsible for resolving requests, incidents, and work  
2257 orders that cannot be processed or resolved by the Tier 1.



2258 Tier 2 operational support consists of resources that are experienced and  
2259 knowledgeable in troubleshooting the authorized vendor's IaaS and PaaS cloud  
2260 services.

#### 2261 **12.5.3.4. Tier 3 Operational Support**

2262 Authorized vendors shall provide Tier 3 operational support, to authorized  
2263 ordering entities, that is responsible for resolving requests, incidents, and work  
2264 orders that cannot be processed or resolved by either Tier 1 or Tier 2.

2265 Tier 3 operational support consists of the highest level of resources that have  
2266 specialized experience and knowledge in troubleshooting the authorized  
2267 vendor's IaaS and PaaS cloud services.

#### 2268 **12.5.3.5. Task Order(s) Operational Support**

2269 Authorized ordering entities are authorized to identify additional operational  
2270 support requirements at the TO level.

### 2271 **12.6. Technical Requirements**

#### 2272 **12.6.1. Data Centers, High Availability**

2273 Authorized vendors shall provide IaaS and PaaS cloud services from a  
2274 minimum of two HA data centers.

2275 Under this section a HA data center shall be defined as a data center that has  
2276 been designed for and operates at a minimum of 99.99% availability (i.e., four  
2277 9s).

##### 2278 **12.6.1.1. Connectivity Connections**

2279 Authorized vendors shall provide HA data centers with at least two separate  
2280 connectivity connections.

##### 2281 **12.6.1.2. Bandwidth**

2282 Authorized vendors shall provide connectivity connections with a minimum  
2283 bandwidth of 100 Gbps per connection.

##### 2284 **12.6.1.3. Geographically Diverse**

2285 Authorized vendors shall provide data centers that are geographically diverse  
2286 to ensure natural events or disasters (e.g., earthquakes, floods, forest fires,

2287 hurricanes) do not impact the operations of the data centers simultaneously  
2288 (e.g., at the same time).

2289 **12.6.1.3.1. High Risk Flood Areas**

2290 Authorized vendors shall provide HA data centers that are not located in high-  
2291 risk flood geographical areas as identified by DHS FEMA National Flood  
2292 Hazard Layer (NFHL).

2293 **12.6.1.3.2. North American Electric Reliability Corporation Interconnections**

2294 Authorized vendors shall provide HA data centers that are not located within  
2295 the same North American Electric Reliability Corporation (NERC)  
2296 interconnections (i.e., Alaska Interconnection, Eastern Interconnection, Texas  
2297 Interconnection, Western Interconnection).

2298 **12.6.2. Data Centers, Service Availability**

2299 Authorized vendors shall provide the same IaaS and PaaS cloud services (e.g.,  
2300 service catalog) from a minimum of two HA data centers.

2301 **12.6.2.1. Service Level Agreements**

2302 Authorized ordering entities are authorized to identify additional SLA  
2303 requirements at the TO level.

2304 **12.6.3. Networking and Routing**

2305 **12.6.3.1. Domain Network Service**

2306 Authorized vendors shall provide encrypted DNS that complies with OMB  
2307 memo citation M-22-09, *Moving the U.S. Government Toward Zero Trust*  
2308 *Cybersecurity Principles*, requirements.

2309 **12.6.3.2. Internet Protocol Access Control Lists (ACLs)**

2310 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2311 each IaaS and PaaS cloud services to be configured and managed using IP  
2312 address ACLs (i.e., permit or deny access rules).

2313 **12.6.3.3. Internet Protocol Version 4**

2314 Authorized vendors may provide IPv4 accessibility to each IaaS and PaaS  
2315 cloud services using IPv4 addresses (i.e., IPv4 compliant).

- 2316 **12.6.3.4. Internet Protocol Version 6**
- 2317 Authorized vendors shall provide IPv6 accessibility to each IaaS and PaaS  
2318 cloud services using IPv6 addresses (i.e., IPv6 compliant).
- 2319 **12.6.3.5. Private and Public Subnets**
- 2320 Authorized vendors shall provide a mean(s) and mechanism(s) that allows  
2321 each IaaS and PaaS cloud services to create, configure, and manage multiple  
2322 private and public subnets.
- 2323 **12.6.3.6. Task Order(s), Networking and Routing**
- 2324 Authorized ordering entities are authorized to identify additional networking and  
2325 routing requirements at the TO level.
- 2326 **12.7. Sub-Pool 1-1 Unclassified Infrastructure as a  
2327 Service, Platform as a Service**
- 2328 Sub-pool 1-1 shall be used by authorized ordering entities for cloud services  
2329 (i.e., IaaS, PaaS) supporting unclassified assets and systems and containing  
2330 unclassified data.
- 2331 **12.7.1. Acquisition Requirements**
- 2332 RESERVED
- 2333 **12.7.2. Business Requirements**
- 2334 RESERVED
- 2335 **12.7.3. Cybersecurity Requirements**
- 2336 RESERVED
- 2337 **12.7.3.1. Clearance Levels – Personnel**
- 2338 Authorized vendors' persons (e.g., employees, representatives, sub-  
2339 contractors) with data access, logical access, or physical access to authorized  
2340 vendors' cloud services (e.g., IaaS, PaaS, SaaS) shall have a minimum  
2341 clearance of Tier 4 (T4) Non-Sensitive Public Trust Positions - High Risk.
- 2342 **12.7.3.2. Cloud Service Offerings, Impact Level**
- 2343 Authorized vendors shall only provide FedRAMP CSOs (i.e., IaaS, PaaS) with  
2344 a FedRAMP Moderate or High IL authorization.

2345 Authorized vendors shall only provide DCAS CSOs (i.e., IaaS, PaaS) with a  
2346 DCAS 2, 4, or 5 IL authorization.

2347 **12.7.3.2.1. Task Order(s) Cloud Service Offerings, Impact Level**

2348 Authorized ordering entities shall identify their CSOs IL requirements (i.e.,  
2349 FedRAMP: Moderate, High, DoD: 2, 4, 5) at the TO level.

2350 **12.7.4. Environmental Requirements**

2351 RESERVED

2352 **12.7.5. Operational Requirements**

2353 RESERVED

2354 **12.7.6. Technical Requirements**

2355 **12.7.6.1. Cloud Service Offerings, Service Model Classification**

2356 Authorized vendors shall only provide FedRAMP or DCAS authorized IaaS and  
2357 PaaS CSOs.

2358 **12.7.6.2. Task Order(s) Technical Requirements**

2359 Authorized ordering entities are authorized to identify additional technical  
2360 requirements at the TO level.

2361 **12.8. Sub-Pool 1-2 Classified Infrastructure as a  
2362 Service, Platform as a Service**

2363 Sub-pool 1-2 shall be used by authorized ordering entities for cloud services  
2364 (i.e., IaaS, PaaS) supporting classified assets and systems and containing  
2365 classified data.

2366 **12.8.1. Acquisition Requirements**

2367 RESERVED

2368 **12.8.2. Business Requirements**

2369 RESERVED

2370 **12.8.3. Cybersecurity Requirements**

2371 RESERVED

2372 **12.8.3.1. Clearance Levels – Personnel**

2373 Authorized vendors' persons (e.g., employees, representatives, sub-  
2374 contractors) with data access, logical access, or physical access to authorized  
2375 vendors' cloud services (e.g., IaaS, PaaS, SaaS) shall have a minimum  
2376 clearance of Tier 3 (T3) National Security Positions - Secret / Confidential  
2377 Clearance.

2378 **12.8.3.2. Cloud Service Offerings, Impact Level**

2379 Authorized vendors shall only provide DCAS CSOs (i.e., IaaS, PaaS) with a  
2380 DCAS 6 IL authorization.

2381 **12.8.3.2.1. Task Order(s) Cloud Service Offerings, Impact Level**

2382 Authorized ordering entities shall identify their CSOs IL requirements (i.e., DoD:  
2383 6) at the TO level.

2384 **12.8.4. Environmental Requirements**

2385 RESERVED

2386 **12.8.5. Operational Requirements**

2387 RESERVED

2388 **12.8.6. Technical Requirements**

2389 **12.8.6.1. Cloud Service Offerings, Service Model Classification**

2390 Authorized vendors shall only provide FedRAMP or DCAS authorized IaaS and  
2391 PaaS CSOs.

2392 **12.8.6.2. Task Order(s) Technical Requirements**

2393 Authorized ordering entities are authorized to identify additional technical  
2394 requirements at the TO level.

2395 **13. Pool 2: Software as a Service**

2396 Will consist of awardees that provide Government identified Software as a  
2397 Service (SaaS) solutions Acquisition Requirements.

2398

2399 **13.1. Business Requirements**

2400 RESERVED

2401 **13.2. Cybersecurity Requirements**

2402 RESERVED

2403 **13.3. Environment Requirements**

2404 RESERVED

2405 **13.4. Operational Requirements**

2406 RESERVED

2407 **13.5. Technical Requirements**

2408 RESERVED

2409 **13.6. Sub-Pool 2-1**

2410 Sub-pool 2-1 shall be used by authorized ordering entities for cloud services  
2411 (i.e., SaaS) supporting Enterprise Office Productivity Software as a Service  
2412 assets and systems.

2413 **13.6.1. Acquisition Requirements**

2414 RESERVED

2415 **13.6.2. Business Requirements**

2416 RESERVED

2417 **13.6.3. Cybersecurity Requirements**

2418 RESERVED

2419 **13.6.4. Environment Requirements**

2420 RESERVED

2421 **13.6.5. Operational Requirements**

2422 RESERVED

2423 **13.6.6. Technical Requirements**

2424 RESERVED

2425 **13.7. Sub-pool 2-2**

2426 Sub-pool 2-2 shall be used by authorized ordering entities for cloud services  
2427 (i.e., SaaS) supporting Customer Relationship Management (CRM) Software  
2428 as a Service assets and systems.

2429 **13.7.1. Acquisition Requirements**

2430 RESERVED

2431 **13.7.2. Business Requirements**

2432 RESERVED

2433 **13.7.3. Cybersecurity Requirements**

2434 RESERVED

2435 **13.7.4. Environment Requirements**

2436 RESERVED

2437 **13.7.5. Operational Requirements**

2438 RESERVED

2439 **13.7.6. Technical Requirements**

2440 RESERVED

2441

2442 **14. Pool 3: Cloud Related IT Professional**  
2443 **Services**

2444 Consist of awardees that provide cloud professional services that support the  
2445 adoption of migration to, governance of, or management of commercial cloud  
2446 computing solutions.  
2447

2448 **14.1. Acquisition Requirements**

2449 RESERVED

2450 **14.2. Business Requirements**

2451 RESERVED

2452 **14.3. Cybersecurity Requirements**

2453 RESERVED

2454 **14.4. Environment Requirements**

2455 RESERVED

2456 **14.5. Operational Requirements**

2457 RESERVED

2458 **14.6. Technical Requirements**

2459 RESERVED

2460 **14.7. Sub-Pool 3-1**

2461 RESERVED

2462 **14.7.1. Acquisition Requirements**

2463 RESERVED

2464 **14.7.2. Business Requirements**

2465 RESERVED



2466 **14.7.3. Cybersecurity Requirements**

2467 RESERVED

2468 **14.7.4. Environment Requirements**

2469 RESERVED

2470 **14.7.5. Operational Requirements**

2471 RESERVED

2472 **14.7.6. Technical Requirements**

2473 RESERVED

DRAFT

## Appendix A: Abbreviations and Acronyms

Abbreviations & Acronyms		Expansion
<b>A</b>		
	A&A	Assessment & Authorization
	ACA	Associate Contractor Agreements
	ACO	Administrative Contracting Officer
	ACL	Access Control List
	AES	Advanced Encryption Standard
	AOR	Area of Responsibility
	API	Application Programming Interface
	ATO	Authorization To Operate
	AV	Audio Visual
<b>B</b>		
	BCAP	Boundary Cloud Access Point
	BI	Background Investigation
	BIC	Best In Class
	BPA	Blanket Purchase Agreement
	BYOD	Bring Your Own Device
<b>C</b>		
	CaC	Configuration as Code
	CAP	Cloud Access Point
	CCP	Common Catalog Platform
	CDM	Continuous Diagnostic and Mitigation
	CDO	Chief Data Officer

	CFE	Carbon Pollution-Free Electricity
	CFR	Code of Federal Regulations
	CIA	Confidentiality, Integrity, and Availability
	CISA	Cybersecurity and Infrastructure Security Agency
	CISCP	Cyber Information Sharing and Collaboration Program
	CISO	Chief Information Security Officer
	CLIN	Contract Line Item
	CMLC	Category Management Leadership Council
	CO	Contracting Officer
	CONUS	Continental United States
	COR	Contracting Officer Representative
	COTS	Commercial Off The Shelf
	CPARS	Contractor Performance Assessment Reporting System
	CPU	Central Processing Unit
	CS	Contracting Specialist
	CSO	Cloud Service Offering
	CSP	Cloud Service Provider
	CSV	Comma Separated Values
	CTA	Contractor Team Arrangements
	CUI	Controlled Unclassified Information
	CVD	Coordinated Vulnerability Disclosure
	CVE	Cybersecurity Vulnerability and Exposure
	CVS	Central Verification System
	CY	Calendar Year
<b>D</b>		

	DARP	Data At Rest Protection
	DB	Database
	DC	District of Columbia
	DC3	Department of Defense Cyber Crime Center
	DCAS	Department of Defense Cloud Authorization Services
	DCISE	Defense Industrial Base Collaborative Information Sharing Environment
	DCSA	Defense Counterintelligence and Security Agency
	DEL	Deliverable
	DFARS	Defense Federal Acquisition Regulation Supplement
	DHS	Department of Homeland Security
	DIB	Defense Industrial Base
	DISA	Defense Information Systems Agency
	DISC	Discount
	DISS	Defense Information System for Security
	DoD	Department of Defense
	DoD CC SRG	Department of Defense Cloud Computing Security Requirements Guide
	DoDD	Department of Defense Directive
	DoDI	Department of Defense Instruction
	DoDM	Department of Defense Manual
	DoJ	Department of Justice
	DoS	Department of State
	DOT&E	Office of the Director, Operational Test and Evaluation
	DSSR	Department of State Standardized Regulations
<b>E</b>		

	EDI	Electronic Data Interchange
	EOP	Executive Office of the President
	EPA	Environmental Protection Agency
	EPEAT	Electronic Product Environmental Assessment Tool
	ERO	Electric Reliability Organization
	etc	et cetera
<b>F</b>		
	FAR	Federal Acquisition Regulations
	FAQ	Frequently Asked Questions
	FBI	Federal Bureau of Investigations
	FCL	Facility Clearance
	FedRAMP	Federal Risk and Authorization Management Program
	FEMA	Federal Emergency Management Agency
	FFP	Firm-Fixed-Price
	FIPS	Federal Information Processing Standard
	FOC	Fiber Optic Cable
	FOUO	For Official Use Only
	FP	Fixed-Price
	FPU	Fixed Unit Price
	FSLT	Federal, State, Local, and Tribal
	FSS	Federal Supply Schedule
	FTR	Federal Travel Regulation
	FY	Fiscal Year
<b>G</b>		
	G&A	General and Administrative

	GAO	Government Accountability Office
	Gb	Gigabit
	GB	Gigabyte
	Gbps	Gigabits per second
	GEC	Global Electronics Council
	GFI	Government Furnished Information
	GFP	Government Furnished Property
	GOTS	Government Off The Shelf
	GSA	General Services Administration
	GSAM	General Services Acquisition Manual
	GUI	Graphical User Interface
<b>H</b>		
	HA	High Availability
	HHS	Health and Human Services
	HIPAA	Health Insurance Portability and Accountability Act
	HSPD	Homeland Security Presidential Directive
	HTTPS	Hypertext Transfer Protocol Secure
	HVAC	Heating, Ventilation, and Air Conditioning
<b>I</b>		
	IA	Information Assurance
	IaaS	Infrastructure as a Service
	IaC	Infrastructure as Code
	IAM	Identity and Access Management
	IAVA	Information Assurance Vulnerability Alert
	IAVM	Information Assurance Vulnerability Management

	IAW	In Accordance With
	IC	Intelligence Community
	ID	Identification
	IETF	Internet Engineering Task Force
	IL	Impact Level
	IM	Instant Messaging
	IPv4	Internet Protocol Version 4
	IPv6	Internet Protocol Version 6
	IRTPA	Intelligence Reform and Terrorism Prevention Act
	IS	Information Systems
	ISR	Industrial Security Representative
	IT	Information Technology
	ITC	Office of Information Technology Category
<b>J</b>		
	JPEG	Joint Photographic Experts Group
	JTR	Joint Travel Regulations
<b>L</b>		
	LH	Labor Hour
	LI-SaaS	Low Impact-Software as a Service
	LOA	Line of Accounting
<b>M</b>		
	MAC	Media Access Control
	MAS	Multiple Award Schedule
	MBI	Moderate Risk Background Investigation
	MFA	Multi-Factor Authentication

	MPEG	Moving Picture Experts Group
	MPIN	Marketing Partner Identification Number
	MRO	Midwest Reliability Organization
	MTIPS	Managed Trusted Internet Protocol Services
<b>N</b>		
	NA	Not Applicable
	NACI	National Agency Check and Inquiries
	NACLC	National Agency Check with Law and Credit
	NAICS	North American Industry Classification System
	NDA	Non-Disclosure Agreement
	NDAA	National Defense Authorization Act
	NERC	North American Electric Reliability Corporation
	NFHL	National Flood Hazard Layer
	NIST	National Institute of Standards and Technology
	NLT	No Later Than
	NPCC	Northeast Power Coordinating Council
	NSA / CSS	National Security Agency / Central Security Service
	NSS	National Security System
	NVD	National Vulnerability Database
<b>O</b>		
	O&M	Operations and Maintenance
	OCO	Ordering Contracting Officer
	OCONUS	Outside Continental United States
	ODNI	Office of the Director of National Intelligence
	OEM	Original Equipment Manufacturer



	OFPP	Office of Federal Procurement Policy
	OIG	Office of Inspector General
	OLM	Order-Level Materials
	OMB	Office of Management and Budget
	OS	Operating System
	OTP	One-Time Password
<b>P</b>		
	PA	Provisional Authority
	PaaS	Platform as a Service
	PHE	Public Health Emergency
	PII	Personally Identifiable Information
	PIV	Personal Identity Verification
	PMO	Program Management Office
	POA&M	Plan of Action and Milestones
	POC	Point of Contact
	PoP	Period of Performance
	PPD	Presidential Policy Directive
	PSC	Product Service Code
	PVC	Polyvinyl Chloride
	PWS	Performance Work Statement
<b>Q</b>		
	QTR	Quarter
	QTY	Quantity
<b>R</b>		
	R2	Responsible Recycling Standards for Electronic Recyclers

	RAM	Random Access Memory
	RF	ReliabilityFirst
	RFC	Request for Comment
	RM	Risk Management
<b>S</b>		
	SaaS	Software as a Service
	SAM	System for Award Management
	SAT	Simplified Acquisition Threshold
	SCIF	Sensitive Compartmented Information Facility
	SCR	Service Contract Reporting
	SCRM	Supply Chain Risk Management
	SEC	Securities and Exchange Commission
	SERC	SERC Reliability Corporation
	SIN	Special Item Number
	SKU	Stock Keeping Unit
	SLA	Service Level Agreement
	SLTT	State, Local, Tribal, or Territorial
	SMS	Short Message Service
	SOC	Security Operations Center
	SOO	Statement of Objectives
	SOW	Statement of Work
	SP	Special Publication
	SSBI	Single Scope Background Investigation
	Sub-CLIN	Sub-Contract Line Item
	SUM	Spend Under Management

<b>T</b>		
	T&C	Terms and Conditions
	T&M	Time and Materials
	TBD	To Be Determined
	TIC	Trusted Internet Connection
	TDR	Transactional Data Reporting
	Texas RE	Texas Reliability Entity
	TLS	Transport Layer Security
	TO	Task Order
	TOA	Task Order Award
<b>U</b>		
	U.S.C	United States Code
	UC	Unified Communications
	UN	United Nations
	UPC	Universal Product Code
	UPS	Universal Power Supply
	URL	Uniform Resource Locator
	US	United States (of America)
	USA	United States Army
	USAF	United States Air Force
	USG	United States Government
	USMC	United States Marine Corps
	USN	United States Navy
	US-CERT	United States-Computer Emergency Readiness Team
<b>V</b>		

	vCPU	virtual Central Processing Unit
	VOIP	Voice Over Internet Protocol
	VPAT <sup>(TM)</sup>	Voluntary Product Accessibility Template
	VPP	Verified Products Portal
	VTC	Video Teleconference
<b>W</b>		
	WECC	Western Electricity Coordinating Council
	W3C	World Wide Web Consortium
<b>X</b>		
	XML	Extensible Markup Language
<b>Y</b>		
<b>Z</b>		
	ZTA	Zero Trust Architecture
<b>0</b>		
<b>1</b>		
<b>2</b>		
	24x7x365	24 hours a day, 7 days a week, and 365 days
<b>3</b>		
<b>4</b>		
<b>5</b>		
<b>6</b>		
<b>7</b>		
<b>8</b>		
<b>9</b>		

## Appendix B: Definitions

Term	Definition
Active Service	A cloud service (i.e., IaaS, PaaS, SaaS) that has been allocated resources and is in an active performance state (i.e., actively performing work).
BPA Contracting Officer	A Contracting Officer that is responsible for the administration of the BPA.
Authorized Ordering Entity	An authorized ordering entity is a federal, state, or local government agency or other eligible entity that is authorized to use the GSA MAS FSS.
Authorized Reseller	An authorized reseller is an entity that has been explicitly authorized (e.g., contractual agreement) by a CSP(s) to act as an authorized agent or intermediary (e.g., cloud broker) to offer, negotiate, and sell, on the behalf of the CSP(s), the CSP's cloud services.
Authorized Vendor	An authorized vendor is an entity that has been awarded a BPA award by the BPA Contracting Officer. An authorized vendor can be either a CSP or an authorized reseller.
Broad Network Access <sup>111</sup>	Cloud services are available over the network and accessed through standard mechanisms that promote use by heterogeneous thin or thick client platforms (e.g., mobile phones, tablets, laptops, and workstations).
Carbon Pollution-Free Electricity <sup>112</sup>	Electrical energy produced from resources that generate no carbon emissions, including marine energy, solar, wind, hydrokinetic (including tidal, wave, current, and thermal), geothermal, hydroelectric, nuclear, renewably sourced hydrogen, and electrical energy generation from fossil resources to the extent there is active capture and storage of carbon dioxide emissions that meets EPA requirements.
Cloud Service Provider	A CSP is an entity that directly operates and manages the cloud services (i.e., IaaS, PaaS, SaaS) technology (e.g., facility, hardware, software).

<sup>111</sup> NIST, SP 800-145: The NIST Definition of Cloud Computing, Essential Characteristics

<sup>112</sup> Executive Order 14057: Clean Energy Industries and Jobs; Efforts to Catalyze Through Federal Sustainability

Cloud Service Provider Account	An account that is the primary, master, or root account that establishes the cloud services (i.e., IaaS, PaaS, SaaS) business, operational, and management relationship (e.g., on-demand self-service, measured services) between the authorized vendor (i.e., CSP, authorized reseller) and the authorized ordering entity.
Cloud Service	(Still To Do)
Cloud Service Offering	(Still To Do)
Commercial Item	(Still To Do)
Commercial Service	(Still To Do)
Cost Allocation	Cost allocation is the process of identifying, aggregating, and assigning costs to cost objects. A cost object is any activity or item for which you want to separately measure costs.
Community Cloud	(Still To Do)
Critical Infrastructure	Systems and assets, whether physical or virtual, so vital to the United States that the incapacity or destruction of such systems and assets would have a debilitating impact on security, national economic security, national public health or safety, or any combination of those matters.
Hybrid Cloud	(Still To Do)
Infrastructure as a Service <sup>113</sup>	The capability provided to the authorized ordering entity to provision processing, storage, networks, and other fundamental computing resources where the authorized ordering entity can deploy and run arbitrary software, which can include operating systems and applications. The authorized ordering entity does not manage or control the underlying cloud infrastructure but has control over operating systems, storage, and deployed applications; and possibly limited control of select networking components (e.g., host firewalls).
Institution of Higher Education <sup>114, 115</sup>	An educational institution in any State that admits as regular students only persons having a certificate of graduation from a school providing secondary education, or the recognized equivalent of such a certificate; is legally authorized within such State to provide a program of education beyond secondary education; provides an

<sup>113</sup> NIST, SP 800-145: The NIST Definition of Cloud Computing, Service Models

<sup>114</sup> 40 U.S.C. 502(c)

<sup>115</sup> 10 U.S.C. 1001 EDUCATION, General definition of institution of higher education

	<p>educational program for which the institution awards a bachelor's degree or provides not less than a 2-year program that is acceptable for full credit toward such a degree, or awards a degree that is acceptable for admission to a graduate or professional degree program, subject to review and approval by the Secretary; is a public or other nonprofit institution; and is accredited by a nationally recognized accrediting agency or association, or if not so accredited, is an institution that has been granted pre-accreditation status by such an agency or association that has been recognized by the Secretary for the granting of pre-accreditation status, and the Secretary has determined that there is satisfactory assurance that the institution will meet the accreditation standards of such an agency or association within a reasonable time</p>
Law Enforcement	<p>A law enforcement entity is an entity that has oversight (e.g., OIG) and / or law enforcement (e.g., DoJ, FBI, State Police) jurisdiction for the BPA Contracting Officer and / or authorized ordering entities.</p>
Local Educational Agency <sup>116, 117</sup>	<p>A board of education or other legally constituted local school authority having administrative control and direction of free public education in a county, township, independent school district, or other school district; and includes any State agency that directly operates and maintains facilities for providing free public education.</p>
Measured Service <sup>118</sup>	<p>Cloud systems automatically control and optimize resource use by leveraging a metering capability at some level of abstraction appropriate to the type of service (e.g., storage, processing, bandwidth, and active user accounts). Resource usage can be monitored, controlled, and reported, providing transparency for both the authorized vendor (i.e., CSP, authorized reseller) and the authorized ordering entity of the utilized service.</p>
On-Demand Self-Service <sup>119</sup>	<p>An authorized ordering entity can unilaterally provision computing capabilities, such as server time and network storage, as needed automatically without requiring human interaction with each authorized vendor (i.e., CSP, authorized reseller).</p>
Personally Identifiable	<p>Refers to information which can be used to distinguish or</p>

<sup>116</sup> 40 U.S.C. 502(c)

<sup>117</sup> Elementary and Secondary Education Act of 1965

<sup>118</sup> NIST, SP 800-145: The NIST Definition of Cloud Computing, Essential Characteristics

<sup>119</sup> NIST, SP 800-145: The NIST Definition of Cloud Computing, Essential Characteristics

Information	trace an individual's identity, such as their name, social security number, biometric records, etc. alone, or when combined with other personal or identifying information which is linked or linkable to a specific individual, such as date and place of birth, mother's maiden name, etc.
Platform as a Service <sup>120</sup>	The capability provided to the authorized ordering entity to deploy onto the cloud infrastructure authorized ordering entity-created or acquired applications created using programming languages, libraries, services, and tools supported by the authorized vendor (i.e., CSP, authorized reseller). The authorized ordering entity does not manage or control the underlying cloud infrastructure including network, servers, operating systems, or storage, but has control over the deployed applications and possibly configuration settings for the application-hosting environment.
Private Cloud	(Still To Do)
Public Cloud	(Still To Do)
Rapid Elasticity <sup>121</sup>	Cloud services can be elastically provisioned and released, in some cases automatically, to scale rapidly outward and inward commensurate with demand. To the authorized ordering entity, the capabilities available for provisioning often appear to be unlimited and can be appropriated in any quantity at any time.
Resource Pooling <sup>122</sup>	The authorized quoter's (i.e., CSP, authorized reseller) computing resources are pooled to serve multiple authorized ordering entities using a multi-tenant model, with different physical and virtual resources dynamically assigned and reassigned according to authorized ordering entities' demand. There is a sense of location independence in that the authorized ordering entities generally have no control or knowledge over the exact location of the provided resources but may be able to specify location at a higher level of abstraction (e.g., country, state, or datacenter). Examples of resources include storage, processing, memory, and network bandwidth.
Software as a Service <sup>123</sup>	The capability provided to the authorized ordering entity to

<sup>120</sup> NIST, SP 800-145: The NIST Definition of Cloud Computing, Service Models

<sup>121</sup> NIST, SP 800-145: The NIST Definition of Cloud Computing, Essential Characteristics

<sup>122</sup> NIST, SP 800-145: The NIST Definition of Cloud Computing, Essential Characteristics

<sup>123</sup> NIST, SP 800-145: The NIST Definition of Cloud Computing, Service Models



	use the authorized vendor's applications running on a cloud infrastructure. The applications are accessible from various client devices through either a thin client interface, such as a web browser (e.g., web-based email), or a program interface. The authorized ordering entity does not manage or control the underlying cloud infrastructure including network, servers, operating systems, storage, or even individual application capabilities, with the possible exception of limited user specific application configuration settings.
State or Local Government <sup>124</sup>	Includes any State, local, regional, or tribal government, or any instrumentality thereof (including any local educational agency or institution of higher education).
Suspended Service	A suspended service is any cloud service (i.e., IaaS, PaaS, SaaS) that has been allocated resources but is in a paused performance state (i.e., not actively performing work).
Term Cloud Service	(Still To Do)
Terminated Service	A terminated service is any cloud service (i.e., IaaS, PaaS, SaaS) that has been terminated and resources released.
Tribal Government <sup>125</sup>	The governing body of any Indian tribe, band, nation, or other organized group or community located in the continental United States (excluding the State of Alaska) that is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians, and any Alaska Native regional or village corporation established pursuant to the Alaska Native Claims Settlement Act.

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<sup>124</sup> 40 U.S.C. 502(c)

<sup>125</sup> 40 U.S.C. 502(c)

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## Appendix C: Deliverables Schedule and Milestones Dates, Blanket Purchase Agreement

Item No.	Deliverable/ Notification	Frequency	Due Date	Number of Copies/ Notifications	Medium/ Format	Submit to	Section Reference
01	Cybersecurity Assessment Annual Report	Annually	Within 30 days of completion of annual auditor assessment or recertification	One (1)	Electronic copy (via email)	BPA CO PM COR	5.1.1
02	C-SCRM Plan	Annually and/or As Required, when there is a change that affects one or more CNSSI 1253 security controls.	Within ten (10) business days of a change that affects one or more CNSSI 1253 security controls	One (1)	Electronic copy (via email)	BPA CO PM COR	
03	Evidence of current ISO Certifications	Varies	Within ten (10) business days of Certification Renewal	One (1)	Electronic copy (via email)	BPA CO PM COR	
04	Cybersecurity Incident Report Notification	Quarterly As Required, when there is a reportable incident	Within 72 hours of incident	One (1)	Electronic copy (via email)	BPA CO PM COR	
05	Cybersecurity Training Certification Report	Annually As Required, when new personnel onboard	Exactly one (1) year after date of award and every year thereafter during the five year period of performance Total of four (4)	One (1)	Electronic copy (via email)	BPA CO PM COR	7.0

			deliverables				
06	Earned Utilization Discount Report	Quarterly	Within 15 days from the last calendar day of each calendar year quarter (Mar, Jun, Sep, Dec)	One (1)	Electronic copy (via email)	BPA CO PM COR	11.5.2
07	Invoices	Monthly	Within 15 days from the last calendar day of the month	One (1)	Electronic copy (via email)	BPA CO PM COR	11.5.3.9
08	Services Summary Report	Annually	Exactly one (1) year after date of award and every year thereafter during the five year period of performance	One (1)	Electronic copy (via email)	BPA CO PM COR	11.5.7
09	Enhanced Transactional Data Report  Vendors who have accepted the Schedule # 70 – Information Technology, Software & Services Solicitation FCIS-JB-980001B TDR MAS Modification may utilize their monthly SRP reporting process to comply with this	Monthly	Within 15 days from the last calendar day of the month  If there was no order activity during the month, confirmation of no reportable data must be submitted within 30 calendar days of the last calendar day of the month.	One (1)	Electronic copy (via email)	BPA CO PM COR	11.5.8

	requirement provided that the additional data fields are required to be incorporated into this BPA.						
10	Key Personnel Roster Report	Initial  As required, based upon personnel transition/departure	Within five (5) business days after BPA Award  Within 10 business days of the last calendar day of the month	One (1)	Electronic copy (via email)	BPA CO PM COR	4.7

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## Appendix D: Example - Service Catalog

Cloud Services Catalog: ABC Worldwide										
BPA Pool / Sub-Pool	TO PoP	TO PoP Start Date	TO PoP End Date	CSP Name	Serv. Name	Serv. Description	Serv. Model	Auth. Entity	Impact Level	...
1-1	00	2022 01 01	2022 12 31	Cloud Inc.	Server Large	Server, 4 vCPU, 64 GB RAM, 25 Gbps	IaaS	FedRAMP	High	...
1-1	01	2023 01 01	2023 12 31	Cloud Inc.	Server Large	Server, 4 vCPU, 64 GB RAM, 25 Gbps	IaaS	DoD	2	...
2-1	02	2024 01 01	2024 12 31	Cloud Inc.	Cloud Viewer	Cloud security monitoring SaaS	SaaS	FedRAMP	Moderate	...

Cloud Services Catalog: ABC Worldwide - Continued										
Auth. Date	Disc. Date	CSP Identifier	Effective Price Date	Serv. Price	Unit of Meas.	EPEAT(™) Registered <sup>126</sup>	ENERGY STAR® Cert. <sup>127</sup>	SKU <sup>128</sup>	ZTA Pillar <sup>129</sup>	ZTA Comp <sup>130</sup>
2020 12 25	2030 12 25	UPC123	2021 12 01	\$1.23 45	Comp / per Hour	Yes	Yes	SKU123	Infrastructure	
2021 12 25	2030 12 25	UPC123	2021 12 01	\$1.23 45	Comp / per Hour	Yes	Yes	SKU456	Infrastructure	

<sup>126</sup> GSAM 552.238-78 Identification of Products that Have Environmental Attributes

<sup>127</sup> GSAM 552.238-78 Identification of Products that Have Environmental Attributes

<sup>128</sup> Optional Data Element.

<sup>129</sup> Optional Data Element.

<sup>130</sup> Optional Data Element.

2020 06 31	NULL	UPC456	2021 07 04	\$0.02 50	Per Hour	No	Yes	SKUABC	Visibility and Analytics	Device Visibility
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## Appendix E: Example - Cloud Related IT Professional Services Catalog

Cloud Related IT Professional Services Catalog: ABC Worldwide									
BPA Pool / Sub-Pool	TO PoP	TO PoP Start Date	TO PoP End Date	Professional Serv.	Professional Serv. Description	Clearance Level	Geo. Location	Place of Performance	...
3-1	00	2022 01 01	2022 12 31	Cybersecurity Forensics	Services involved with processing, preserving, and analyzing computer-related evidence.	Tier 4 (T4) Non-Sensitive Public Trust Positions - High Risk	CONUS	Authorized Ordering Entity	...
3-1	00	2022 01 01	2022 12 31	Cybersecurity Forensics	Services involved with processing, preserving, and analyzing computer-related evidence.	Tier 3 (T3) National Security Positions - Secret / Confidential Clearance	CONUS	Authorized Ordering Entity	...
3-2	01	2023 01 01	2023 12 31	Ransomware Mitigation	Services involved with preventing, mitigating, and responding to malware attacks and infections.	Tier 3 (T3) National Security Positions - Secret / Confidential Clearance	GSA Region 5 Great Lakes	Authorized Ordering Entity	...
3-2	02	2024 01	2024 12	Ransomware	Services involved	Tier 3 (T3)	GSA	Authorized	...

		01	31	Mitigation	with preventing, mitigating, and responding to malware attacks and infections.	National Security Positions - Secret / Confidential Clearance	Region 9 Pacific Rim	Ordering Entity	
3-2	03	2025 01 01	2025 12 31	Ransomware Mitigation	Services involved with preventing, mitigating, and responding to malware attacks and infections.	Tier 3 (T3) National Security Positions - Secret / Confidential Clearance	GSA Region 11 National Capital	Authorized Ordering Entity	...

**Cloud Related IT Professional Services Catalog: ABC Worldwide - Continued**

Professional Serv. Code	Effective Price Date	Serv. Price	Unit of Meas	SKU <sup>131</sup>					
GSAU123	2021 12 31	\$100.00	Hourly Rate	SKU001					
GSAC123	2021 12 31	\$150.00	Hourly Rate	SKU002					
GSACR05RM	2022 07 04	\$135.25	Hourly Rate	SKU003					

<sup>131</sup> Optional data element.



GSACR09RM	2022 07 04	\$175.00	Hourly Rate	SKU004					
GSAUR11RM	2022 07 04	\$145.50	Hourly Rate	SKU005					
GSACR11RM	2022 07 04	\$185.75	Hourly Rate	SKU006					

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## Appendix F: Example - Fixed Price and Labor Hour Invoice

ABC Worldwide Invoice FP & LH									
BPA Award Num.	TO Award Num.	TO PoP	TO PoP Start Date	TO PoP End Date	TO CLIN	TO Sub-CLIN	TO CLIN Type	Serv. Name	...
01ABC123	02DEF456	00	2022 10 01	2023 09 30	0001	0001-A	FUP	Large Server	...
01ABC123	02DEF456	00	2022 10 01	2023 09 30	0002	0002-AB	FP	Cloud Viewer	...
01ABC123	02DEF456	00	2022 10 01	2023 09 30	0003	NULL	LH	Cybersecurity Forensics	...

ABC Worldwide Invoice FP & LH - Continued									
CSP Identifier / Prof. Serv. Code	Serv. Start Date	Serv. End Date	Catalog Serv. Price	Serv. Price Disc.	TO Serv. Price	Unit of Meas.	QTY	Total Cost	SKU <sup>132</sup>
UPC123	2022 11 01	2022 11 31	\$1.2345	50%	\$0.6173	Comp / per Hour	100	\$61.73	SKU001
UPC456	2022 11 15	2022 11 31	\$0.0250	NULL	\$0.015	Hour	1000	\$15.00	SKU002
GSAU123	2022 11 01	2022 11 31	\$150.50	10%	\$135.45	Labor Hour	100	\$13,545.00	SKU003

<sup>132</sup> Optional data element.

## Appendix G: Example - Time and Materials Invoice

ABC Worldwide Invoice T&M									
BPA Award Num.	TO Award Num.	TO PoP	TO PoP Start Date	TO PoP End Date	TO CLIN	TO Sub-CLIN	TO CLIN Type	Serv. Name	...
01ABC123	02DEF456	00	2022 10 01	2023 09 30	0002	0002-AA	T&M	Cybersecurity Forensics	...
01ABC123	02DEF456	00	2022 10 01	2023 09 30	ODC	NULL	T&M	Travel	...

ABC Worldwide Invoice T&M - Continued									
CSP / Prof. Serv. Code Unique Identifier	Serv. Start Date	Serv. End Date	Catalog Serv. Price	TO Ceiling Price	Direct Costs	Indirect Costs	Fixed Handling Factor	Profit	...
GSAU123	2022 11 01	2022 11 31	\$250.00	\$190.00	\$75.00	\$65.00	NULL	\$25.00	...
NULL	2022 11 15	2022 11 18	NULL	NULL	\$500.00	NULL	10%	NULL	...

ABC Worldwide Invoice T&M - Continued									
Unit of Meas.	QTY	Total Cost	SKU <sup>133</sup>						
Labor Hour	100	\$16,500.00	SKU003						
Flight	1	\$550.00	NULL						

<sup>133</sup> Optional data element.

## Appendix H: Example - Services Summary Report

ABC Worldwide Services Summary Report									
BPA Award Num.	TO Award Num.	TO PoP	TO PoP Start Date	TO PoP End Date	TO CLIN	Serv. Name	CSP / Prof. Serv. Code Unique Identifier	Average Serv. Utilization Rate	...
01ABC123	02DEF456	00	2022 10 01	2023 09 30	0001	Large Server	UPC123	90%	...
01ABC123	02DEF456	00	2022 10 01	2023 09 30	0001	Large Server	UPC123	55%	...
01ABC123	02DEF456	00	2022 10 01	2023 09 30	0001	Load Balancing	UPC456	NULL	

ABC Worldwide Services Summary Report - Continued									
Unit of Meas.	Cost Element								...
Comp / per Hour	Cost								...
Comp / per Hour	Cost								...
NULL	No Cost								

## Appendix I: Regulations, Policies, Specifications, Tools and References

— — Defense Federal Acquisition Regulation Supplement (DFARS)		
XX	DFARS 204.17 - Service Contract Inventory	<a href="https://www.acquisition.gov/dfars/part-204-administrative-and-information-matters#changeme_1626301504418">https://www.acquisition.gov/dfars/part-204-administrative-and-information-matters#changeme_1626301504418</a>
XX.1	DFARS 204.1703 Reporting Requirements	<a href="https://www.acquisition.gov/dfars/part-204-administrative-and-information-matters#DFARS_204.1703">https://www.acquisition.gov/dfars/part-204-administrative-and-information-matters#DFARS_204.1703</a>
F	DFARS 239.76 - Cloud Computing	<a href="https://www.acquisition.gov/dfars/part-239-acquisition-information-technology#DFARS-239.76">https://www.acquisition.gov/dfars/part-239-acquisition-information-technology#DFARS-239.76</a>
F.1	DFARS 239.7602-1 General	<a href="https://www.acquisition.gov/dfars/part-239-acquisition-information-technology#DFARS-239.7602-1">https://www.acquisition.gov/dfars/part-239-acquisition-information-technology#DFARS-239.7602-1</a>
F.2	DFARS 239.7602-2 Required storage of data within the United States or outlying areas	<a href="https://www.acquisition.gov/dfars/part-239-acquisition-information-technology#DFARS-239.7602-2">https://www.acquisition.gov/dfars/part-239-acquisition-information-technology#DFARS-239.7602-2</a>
XX	DFARS 252.204-7012 Safeguarding Covered Defense Information and Cyber Incident Reporting	<a href="https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.204-7012">https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.204-7012</a>
	DFARS 252.227-7013 Rights in Technical Data—Noncommercial Items	<a href="https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.227-7013">https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.227-7013</a>
	DFARS 252.227-7014 Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation	<a href="https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.227-7014">https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.227-7014</a>
	DFARS 252.227-7015 Technical Data—	<a href="https://www.acquisition.gov/dfars/pa">https://www.acquisition.gov/dfars/pa</a>

	Commercial Items	<a href="https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.227-7015">rt-252-solicitation-provisions-and-contract-clauses#DFARS-252.227-7015</a>
	DFARS 252.227-7025 Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends	<a href="https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.227-7025">https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.227-7025</a>
	DFARS 252.239-7010 Cloud Computing Services	<a href="https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.239-7010">https://www.acquisition.gov/dfars/part-252-solicitation-provisions-and-contract-clauses#DFARS-252.239-7010</a>
<b>— — Defense Information Systems Agency (DISA)</b>		
	Memorandum 2019 08 15: Department of Defense (DoD) Memorandum of Reciprocity for FedRAMP Authorized Moderate Baseline Cloud Service Offerings (CSO) at Impact Level 2 (IL2)	Attachment X
<b>— Department of State (DoS)</b>		
	Standard Regulations	<a href="https://aoprals.state.gov/">https://aoprals.state.gov/</a>
<b>— Executive Office of the President (EOP)</b>		
L	Executive Order 13556: Controlled Unclassified Information	<a href="https://www.federalregister.gov/documents/2010/11/09/2010-28360/controlled-unclassified-information">https://www.federalregister.gov/documents/2010/11/09/2010-28360/controlled-unclassified-information</a>
M	Executive Order 14028: Improving the Nation's Cybersecurity	<a href="https://www.federalregister.gov/documents/2021/05/17/2021-10460/improving-the-nations-cybersecurity">https://www.federalregister.gov/documents/2021/05/17/2021-10460/improving-the-nations-cybersecurity</a>
XX	Executive Order 14035: Diversity, Equity, Inclusion, and Accessibility in the Federal Workforce	<a href="https://www.federalregister.gov/documents/2021/06/30/2021-14127/diversity-equity-inclusion-and-accessibility-in-the-federal-workforce">https://www.federalregister.gov/documents/2021/06/30/2021-14127/diversity-equity-inclusion-and-accessibility-in-the-federal-workforce</a>
N	Executive Order 14057: Clean Energy Industries and Jobs; Efforts To Catalyze Through Federal Sustainability	<a href="https://www.federalregister.gov/public-inspection/2021-27114/clean-energy-industries-and-jobs-efforts-to-catalyze-through-federal-sustainability-eo-14057">https://www.federalregister.gov/public-inspection/2021-27114/clean-energy-industries-and-jobs-efforts-to-catalyze-through-federal-sustainability-eo-14057</a>
O	Homeland Security Presidential Directive	<a href="https://www.dhs.gov/homeland-">https://www.dhs.gov/homeland-</a>

	12: Policy for a Common Identification Standard for Federal Employees and Contractors	<a href="#">security-presidential-directive-12</a>
XX	Presidential Policy Directive 21: Critical Infrastructure Security and Resilience	<a href="https://obamawhitehouse.archives.gov/the-press-office/2013/02/12/presidential-policy-directive-critical-infrastructure-security-and-resil">https://obamawhitehouse.archives.gov/the-press-office/2013/02/12/presidential-policy-directive-critical-infrastructure-security-and-resil</a>
XX	Presidential Policy Directive 41: Critical Infrastructure Security and Resilience	<a href="https://obamawhitehouse.archives.gov/the-press-office/2016/07/26/presidential-policy-directive-united-states-cyber-incident">https://obamawhitehouse.archives.gov/the-press-office/2016/07/26/presidential-policy-directive-united-states-cyber-incident</a>
<b>— Federal Acquisition Regulation (FAR)</b>		
XX	FAR 27.4 Rights in Data and Copyrights	<a href="https://www.acquisition.gov/far/part-27#FAR_Subpart_27_4">https://www.acquisition.gov/far/part-27#FAR_Subpart_27_4</a>
XX.X	FAR 27.404-1 Unlimited rights data	<a href="https://www.acquisition.gov/far/part-27#FAR_27_404_1">https://www.acquisition.gov/far/part-27#FAR_27_404_1</a>
XX.X	FAR 27.404-2 Limited rights data and restricted computer software	<a href="https://www.acquisition.gov/far/part-27#FAR_27_404_2">https://www.acquisition.gov/far/part-27#FAR_27_404_2</a>
XX	FAR 27.405-1 Special works	<a href="https://www.acquisition.gov/far/part-27#FAR_27_405_1">https://www.acquisition.gov/far/part-27#FAR_27_405_1</a>
Q	FAR 31.205-46 Travel Costs	<a href="https://www.acquisition.gov/far/part-31#FAR_31_205_46">https://www.acquisition.gov/far/part-31#FAR_31_205_46</a>
R	FAR 39.2 Information and Communication Technology	<a href="https://www.acquisition.gov/far/part-39#FAR_Subpart_39_2">https://www.acquisition.gov/far/part-39#FAR_Subpart_39_2</a>
XX	FAR 39.204 Exceptions	<a href="https://www.acquisition.gov/far/part-39#FAR_39_204">https://www.acquisition.gov/far/part-39#FAR_39_204</a>
XX	FAR 39.205 Exemptions	<a href="https://www.acquisition.gov/far/part-39#FAR_39_205">https://www.acquisition.gov/far/part-39#FAR_39_205</a>
U	FAR 52.204-14 Service Contract Reporting Requirements	<a href="https://www.acquisition.gov/far/part-52#FAR_52_204_14">https://www.acquisition.gov/far/part-52#FAR_52_204_14</a>
V	FAR 52.204-21 Basic Safeguarding of Covered Contractor Information Systems	<a href="https://www.acquisition.gov/far/part-52#FAR_52_204_21">https://www.acquisition.gov/far/part-52#FAR_52_204_21</a>
W	FAR 52.227-14 Rights in Data-General	<a href="https://www.acquisition.gov/far/part-52#FAR_52_227_14">https://www.acquisition.gov/far/part-52#FAR_52_227_14</a>
XX	FAR 52.227-17 Rights in Data-Special	<a href="https://www.acquisition.gov/far/part-52#FAR_52_227_17">https://www.acquisition.gov/far/part-52#FAR_52_227_17</a>

	Works	<a href="#">52#FAR 52 227 17</a>
<b>— — General Services Administration Manual (GSAM)</b>		
Z	GSAM 552.216-75 Transactional Data Reporting	<a href="https://www.acquisition.gov/content/part-552-solicitation-provisions-and-contract-clauses#i1876737">https://www.acquisition.gov/content/part-552-solicitation-provisions-and-contract-clauses#i1876737</a>
XX	GSAM 552.238-78 Identification of Products that Have Environmental Attributes	<a href="https://www.acquisition.gov/gsam/part-552#GSAM_552_238_78">https://www.acquisition.gov/gsam/part-552#GSAM 552 238 78</a>
AA	GSAM 552.238-115 Special Ordering Procedures for the Acquisition of Order-Level Materials	<a href="https://www.acquisition.gov/content/part-552-solicitation-provisions-and-contract-clauses#i1876737">https://www.acquisition.gov/content/part-552-solicitation-provisions-and-contract-clauses#i1876737</a>
<b>— Office of Management and Budget (OMB)</b>		
BB	Federal Cloud Computing Strategy (Cloud Smart)	<a href="https://cloud.cio.gov/strategy/#cloud-smart">https://cloud.cio.gov/strategy/#cloud-smart</a>
XX	M-16-12: Category Management Policy 16-1: Improving the Acquisition and Management of Common Information Technology: Software Licensing	<a href="https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2016">https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2016</a>
XX	M-19-13: Category Management: Making Smarter Use of Common Contract Solutions and Practices <sup>134, 135</sup>	<a href="https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2019">https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2019</a>
XX	M-21-07: Completing the Transition to Internet Protocol Version 6 (IPv6)	<a href="https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2021">https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2021</a>
XX	M-21-31: Improving the Federal Government's Investigative and Remediation Capabilities Related to Cybersecurity Incidents	<a href="https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2021">https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2021</a>
XX	M-22-03: Advancing Equity in Federal Procurement	<a href="https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2022">https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2022</a>
XX	M-22-09: Moving the U.S. Government	<a href="https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2022">https://www.whitehouse.gov/omb/information-for-agencies/memoranda/#memoranda-2022</a>

<sup>134</sup> Best In Class, Spend Under Management, Tiered Maturity Model

<sup>135</sup> Portions of M-19-13: Category Management: Making Smarter Use of Common Contract Solutions and Practices have been revised by M-22-03: Advancing Equity in Federal Procurement



	Toward Zero Trust Cybersecurity Principles	<a href="https://www.dni.gov/files/documents/formation-for-agencies/memoranda/#memoranda-2022">ormation-for-agencies/memoranda/#memoranda-2022</a>
<b>— Office of the Director of National Intelligence (ODNI)</b>		
XX	ICD 503: Intelligence Community Information Technology Systems Security Risk Management, Certification, and Accreditation	<a href="https://www.dni.gov/files/documents/ICD/ICD_503.pdf">https://www.dni.gov/files/documents/ICD/ICD_503.pdf</a>
<b>— Specifications and Standards</b>		
A	Standard for Responsible Recycling and Reuse of Electronic Equipment <sup>®</sup>	<a href="https://e-stewards.org/">https://e-stewards.org/</a>
B	Internet Engineering Task Force (IETF), RFC 8200, Internet Protocol, Version 6 (IPv6) Specification	<a href="https://datatracker.ietf.org/doc/html/rfc8200">https://datatracker.ietf.org/doc/html/rfc8200</a>
XX	EPEAT Ecolabel	<a href="https://epeat.net/about-epeat">https://epeat.net/about-epeat</a>
C	Responsible Recycling Standards for Electronic Recyclers (R2)	<a href="https://sustainableelectronics.org/welcome-to-r2v3/document-library/">https://sustainableelectronics.org/welcome-to-r2v3/document-library/</a>
D	EDI Standard Unit of Measure	<a href="https://x12.org">https://x12.org</a>
XX	FIPS PUB 197: Advanced Encryption Standard (AES)	<a href="https://csrc.nist.gov/publications/detail/fips/197/final">https://csrc.nist.gov/publications/detail/fips/197/final</a>
E	FIPS PUB 199: Standards of Security Categorization of Federal Information and Information Systems	<a href="https://csrc.nist.gov/publications/detail/fips/199/final">https://csrc.nist.gov/publications/detail/fips/199/final</a>
XX	FIPS PUB 201-3: Personal Identity Verification (PIV) of Federal Employees and Contractors	<a href="https://csrc.nist.gov/publications/detail/fips/201/3/final">https://csrc.nist.gov/publications/detail/fips/201/3/final</a>
XX	NIST, SP 500-267A Rev. 1: NIST IPv6 Profile	<a href="https://www.nist.gov/publications/nist-ipv6-profile">https://www.nist.gov/publications/nist-ipv6-profile</a>
XX	NIST, SP 500-267B Rev. 1: USGv6 Profile	<a href="https://www.nist.gov/publications/usgv6-profile">https://www.nist.gov/publications/usgv6-profile</a>
XX	NIST, SP 500-292: NIST Cloud Computing Reference Architecture	<a href="https://www.nist.gov/publications/nist-cloud-computing-reference-architecture">https://www.nist.gov/publications/nist-cloud-computing-reference-architecture</a>
XX	NIST, SP 800-37 Rev. 2: Risk Management Framework for Information	<a href="https://csrc.nist.gov/publications/detail/sp/800-37/rev-2/final">https://csrc.nist.gov/publications/detail/sp/800-37/rev-2/final</a>

	Systems and Organizations: A System Life Cycle Approach for Security and Privacy	
F	NIST, SP 800-53 Rev. 5: Security and Privacy Controls for Information Systems and Organizations	<a href="https://csrc.nist.gov/publications/detail/sp/800-53/rev-5/final">https://csrc.nist.gov/publications/detail/sp/800-53/rev-5/final</a>
XX	NIST, SP 800-63-3: Digital Identity Guidelines	<a href="https://csrc.nist.gov/publications/detail/sp/800-63/3/final">https://csrc.nist.gov/publications/detail/sp/800-63/3/final</a>
XX	NIST, SP 800-63A: Digital Identity Guidelines: Enrollment and Identity Proofing	<a href="https://csrc.nist.gov/publications/detail/sp/800-63a/final">https://csrc.nist.gov/publications/detail/sp/800-63a/final</a>
XX	NIST, SP 800-63B: Digital Identity Guidelines: Authentication and Lifecycle Management	<a href="https://csrc.nist.gov/publications/detail/sp/800-63b/final">https://csrc.nist.gov/publications/detail/sp/800-63b/final</a>
XX	NIST, SP 800-63C: Digital Identity Guidelines: Federation and Assertions	<a href="https://csrc.nist.gov/publications/detail/sp/800-63c/final">https://csrc.nist.gov/publications/detail/sp/800-63c/final</a>
XX	NIST, SP 800-88 Rev. 1: Guidelines for Media Sanitization	<a href="https://csrc.nist.gov/publications/detail/sp/800-88/rev-1/final">https://csrc.nist.gov/publications/detail/sp/800-88/rev-1/final</a>
XX	NIST, SP 800-144: Guidelines on Security and Privacy in Public Cloud Computing	<a href="https://csrc.nist.gov/publications/detail/sp/800-144/final">https://csrc.nist.gov/publications/detail/sp/800-144/final</a>
G	NIST, SP 800-145: The NIST Definition of Cloud Computing	<a href="https://csrc.nist.gov/publications/detail/sp/800-145/final">https://csrc.nist.gov/publications/detail/sp/800-145/final</a>
XX	NIST, SP 800-146: Cloud Computing Synopsis and Recommendations	<a href="https://csrc.nist.gov/publications/detail/sp/800-146/final">https://csrc.nist.gov/publications/detail/sp/800-146/final</a>
XX	NIST SP 800-157: Guidelines for Derived Personal Identity Verification (PIV) Credentials	<a href="https://csrc.nist.gov/publications/detail/sp/800-157/final">https://csrc.nist.gov/publications/detail/sp/800-157/final</a>
H	NIST, SP 800-171 Rev.2: Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations	<a href="https://csrc.nist.gov/publications/detail/sp/800-171/rev-2/final">https://csrc.nist.gov/publications/detail/sp/800-171/rev-2/final</a>
XX	NIST, SP 800-171A: Assessing Security Requirements for Controlled Unclassified Information	<a href="https://csrc.nist.gov/publications/detail/sp/800-171a/final">https://csrc.nist.gov/publications/detail/sp/800-171a/final</a>
XX	NIST, SP 800-172: Enhanced Security Requirements for Protecting Controlled Unclassified Information: A Supplement to NIST Special Publication 800-171	<a href="https://csrc.nist.gov/publications/detail/sp/800-172/final">https://csrc.nist.gov/publications/detail/sp/800-172/final</a>

I	NIST, SP 800-181 Rev. 1: Workforce Framework for Cybersecurity (NICE Framework)	<a href="https://csrc.nist.gov/publications/detail/sp/800-181/rev-1/final">https://csrc.nist.gov/publications/detail/sp/800-181/rev-1/final</a>
J	NIST, SP 800-190: Application Container Security Guide	<a href="https://csrc.nist.gov/publications/detail/sp/800-190/final">https://csrc.nist.gov/publications/detail/sp/800-190/final</a>
K	NIST, SP 800-207: Zero Trust Architecture	<a href="https://csrc.nist.gov/publications/detail/sp/800-207/final">https://csrc.nist.gov/publications/detail/sp/800-207/final</a>
L	NIST SP 800-210: General Access Control Guidance for Cloud Systems	<a href="https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-210.pdf">https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-210.pdf</a>
XX	Web Authentication (WebAuthn)	<a href="https://www.w3.org/TR/webauthn-2/">https://www.w3.org/TR/webauthn-2/</a>
<b>— Information, References and Tools</b>		
XX	Global Electronics Council	<a href="https://globalelectronicscouncil.org/">https://globalelectronicscouncil.org/</a>
XX	EPEAT Registry	<a href="https://www.epeat.net/">https://www.epeat.net/</a>
XX	CVE <sup>(R)</sup> Program	<a href="https://cve.mitre.org/">https://cve.mitre.org/</a>
<b>North American Electric Reliability Corporation (NERC)</b>		
A	Midwest Reliability Organization (MRO)	<a href="https://mro.net/">https://mro.net/</a>
B	NERC	<a href="https://www.nerc.com">https://www.nerc.com</a>
C	NERC Interconnections	<a href="https://www.nerc.com/AboutNERC/keyplayers/PublishingImages/NERC%20Interconnections.pdf">https://www.nerc.com/AboutNERC/keyplayers/PublishingImages/NERC%20Interconnections.pdf</a>
D	Northeast Power Coordinating Council (NPCC)	<a href="https://www.npcc.org/">https://www.npcc.org/</a>
E	ReliabilityFirst (RF)	<a href="https://rfirst.org/">https://rfirst.org/</a>
F	SERC Reliability Corporation (SERC)	<a href="https://www.serc1.org/">https://www.serc1.org/</a>
G	Texas Reliability Entity (Texas RE)	<a href="https://www.texasre.org/">https://www.texasre.org/</a>
H	Western Electricity Coordinating Council (WECC)	<a href="https://www.wecc.org/">https://www.wecc.org/</a>
<b>— Department of Defense (DoD)</b>		
K	DoD Cloud Computing Security Requirements Guide (DoD CC SRG)	<a href="https://public.cyber.mil/dccs/dccs-documents/">https://public.cyber.mil/dccs/dccs-documents/</a>

L	DoD Cloud Strategy	<a href="https://dodcio.defense.gov/Library/">https://dodcio.defense.gov/Library/</a>
O	DoD Outside the Continental United States (OCONUS) Cloud Strategy	<a href="https://dodcio.defense.gov/Library/">https://dodcio.defense.gov/Library/</a>
P	DoD Zero Trust Reference Architecture	<a href="https://dodcio.defense.gov/Library/">https://dodcio.defense.gov/Library/</a>
M	DoDD 8140.01 Cyberspace Workforce Management	<a href="https://www.esd.whs.mil/Directives/issuances/dodd/">https://www.esd.whs.mil/Directives/issuances/dodd/</a>
XX	DoDI 8500.01: Cybersecurity	<a href="https://www.esd.whs.mil/Directives/issuances/dodi/">https://www.esd.whs.mil/Directives/issuances/dodi/</a>
XX	DoDI 8510.01: Risk Management Framework (RMF) for DoD Information Technology (IT)	<a href="https://www.esd.whs.mil/Directives/issuances/dodi/">https://www.esd.whs.mil/Directives/issuances/dodi/</a>
XX	DoDI 8582.01: Security of Non-DoD Information Systems Processing Unclassified Nonpublic DoD Information	<a href="https://www.esd.whs.mil/Directives/issuances/dodi/">https://www.esd.whs.mil/Directives/issuances/dodi/</a>
N	DoDM 8570.01-M Information Assurance Workforce Improvement Program	<a href="https://www.esd.whs.mil/Directives/issuances/dodm/">https://www.esd.whs.mil/Directives/issuances/dodm/</a>
XX	Office of the Director, Operational Test and Evaluation	<a href="https://www.dote.osd.mil">https://www.dote.osd.mil</a>
XX	US Cyber Command	<a href="https://www.cybercom.mil/">https://www.cybercom.mil/</a>
<b>— — Defense Counterintelligence and Security Agency (DCSA)</b>		
Q	Central Verification System (CVS)	<a href="https://www.dcsa.mil/is/cvs/">https://www.dcsa.mil/is/cvs/</a>
R	Defense Information System for Security (DISS)	<a href="https://www.dcsa.mil/is/diss/">https://www.dcsa.mil/is/diss/</a>
S	Facility Clearance	<a href="https://www.dcsa.mil/mc/ctp/fc/">https://www.dcsa.mil/mc/ctp/fc/</a>
<b>— — Defense Information Systems Agency (DISA)</b>		
T	DISA	<a href="https://disa.mil/">https://disa.mil/</a>
<b>— — — Department of Defense Cloud Authorization Services (DCAS)</b>		
U	DCAS Authorized Commercial Cloud Services	<a href="https://storefront.disa.mil/kinetic/disa/service-catalog#/forms/cloud-service-support">https://storefront.disa.mil/kinetic/disa/service-catalog#/forms/cloud-service-support</a>
<b>— — Department of Defense Cyber Crime Center (DC3)</b>		
XX	DC3	<a href="https://www.dc3.mil/">https://www.dc3.mil/</a>

XX	Defense Industrial Base (DIB) Collaborative Information Sharing Environment (DCISE)	<a href="https://www.dc3.mil/Organizations/DIB-Cybersecurity/DIB-Cybersecurity-DCISE/">https://www.dc3.mil/Organizations/DIB-Cybersecurity/DIB-Cybersecurity-DCISE/</a>
XX	Defense Industrial Base (DIB) Cybersecurity (CS) Program	<a href="https://dibnet.dod.mil/portal/intranet/">https://dibnet.dod.mil/portal/intranet/</a>
XX	Defense Industrial Base (DIB) Cyber Reports	<a href="https://dibnet.dod.mil/portal/intranet/">https://dibnet.dod.mil/portal/intranet/</a>
<b>— — Cybersecurity &amp; Infrastructure Security Agency (CISA)</b>		
Y	AMAC Malware Analysis Submissions	<a href="https://www.malware.us-cert.gov">https://www.malware.us-cert.gov</a>
Z	Continuous Diagnostic and Mitigation Program	<a href="https://www.cisa.gov/cdm">https://www.cisa.gov/cdm</a>
AA	Coordinated Vulnerability Disclosure Program	<a href="https://www.cisa.gov/coordinated-vulnerability-disclosure-process">https://www.cisa.gov/coordinated-vulnerability-disclosure-process</a>
XX	Cyber Information Sharing and Collaboration Program (CISCP)	<a href="https://www.cisa.gov/ciscp">https://www.cisa.gov/ciscp</a>
BB	Cyber Threat Indicator and Defensive Measure Submission System	<a href="https://us-cert.cisa.gov/forms/share-indicators">https://us-cert.cisa.gov/forms/share-indicators</a>
CC	EINSTEIN	<a href="https://www.cisa.gov/einstein">https://www.cisa.gov/einstein</a>
DD	Incident Reporting System	<a href="https://us-cert.cisa.gov/forms/report">https://us-cert.cisa.gov/forms/report</a>
XX	Moving the U.S. Government Toward Zero Trust Cybersecurity Principles	<a href="https://zerotrust.cyber.gov/">https://zerotrust.cyber.gov/</a>
EE	Trusted Internet Connections	<a href="https://www.cisa.gov/trusted-internet-connections">https://www.cisa.gov/trusted-internet-connections</a>
XX	US-CERT	<a href="https://www.cisa.gov/uscert/">https://www.cisa.gov/uscert/</a>
XX	US-CERT Federal Incident Notification Guidelines	<a href="https://www.cisa.gov/uscert/incident-notification-guidelines">https://www.cisa.gov/uscert/incident-notification-guidelines</a>
<b>— Environmental Protection Agency (EPA)</b>		
HH	Certified Electronic Recyclers	<a href="https://www.epa.gov/smm-electronics/certified-electronics-recyclers">https://www.epa.gov/smm-electronics/certified-electronics-recyclers</a>
II	ENERGY STAR®	<a href="https://www.energystar.gov/">https://www.energystar.gov/</a>
JJ	ENERGY STAR®, Data Centers	<a href="https://www.energystar.gov/products/data_centers">https://www.energystar.gov/products/data_centers</a>

XX	Electronic Product Environmental Assessment Tool (EPEAT)	<a href="https://www.epa.gov/greenerproducts/electronic-product-environmental-assessment-tool-epeat">https://www.epa.gov/greenerproducts/electronic-product-environmental-assessment-tool-epeat</a>
<b>— Federal Risk and Authorization Management Program (FedRAMP)</b>		
KK	FedRAMP	<a href="https://www.fedramp.gov/">https://www.fedramp.gov/</a>
LL	FedRAMP Marketplace	<a href="https://marketplace.fedramp.gov/">https://marketplace.fedramp.gov/</a>
<b>— General Services Administration (GSA)</b>		
MM	Contractor Performance Assessment Reporting System (CPARS)	<a href="https://www.cpars.gov/">https://www.cpars.gov/</a>
XX.X	Guidance for the Contractor Performance Assessment Reporting System (CPARS)	<a href="https://www.cpars.gov/help.htm">https://www.cpars.gov/help.htm</a>
NN	Cooperative Purchasing Program	<a href="https://www.gsa.gov/buying-selling/purchasing-programs/gsa-schedule/schedule-buyers/state-and-local-governments/cooperative-purchasing">https://www.gsa.gov/buying-selling/purchasing-programs/gsa-schedule/schedule-buyers/state-and-local-governments/cooperative-purchasing</a>
OO	Disaster Purchasing Program	<a href="https://www.gsa.gov/buying-selling/purchasing-programs/gsa-schedule/schedule-buyers/state-and-local-governments/state-and-local-disaster-purchasing">https://www.gsa.gov/buying-selling/purchasing-programs/gsa-schedule/schedule-buyers/state-and-local-governments/state-and-local-disaster-purchasing</a>
PP	eOffer / eMod	<a href="https://eoffer.gsa.gov/">https://eoffer.gsa.gov/</a>
QQ	Order Level Materials (OLM)	<a href="https://www.gsa.gov/buying-selling/purchasing-programs/gsa-schedule/schedule-features/orderlevel-materials-olms">https://www.gsa.gov/buying-selling/purchasing-programs/gsa-schedule/schedule-features/orderlevel-materials-olms</a>
RR	Public Health Emergencies Program	<a href="https://www.gsa.gov/buying-selling/purchasing-programs/gsa-schedule/schedule-buyers/state-and-local-governments/public-health-emergencies-program">https://www.gsa.gov/buying-selling/purchasing-programs/gsa-schedule/schedule-buyers/state-and-local-governments/public-health-emergencies-program</a>
SS	Transaction Data Reporting (TDR)	<a href="https://vsc.gsa.gov/TDR/">https://vsc.gsa.gov/TDR/</a>
TT	Verified Products Portal (VPP)	<a href="http://www.gsa.gov/vpp">www.gsa.gov/vpp</a>
UU	Zero Trust Architecture (ZTA) Buyer's Guide Version 1.0 June 2021	<a href="https://www.gsa.gov/cdnstatic/Zero%20Trust%20Architecture%20Buyers%20Guide%20v11%2020210610%20(2).pdf">https://www.gsa.gov/cdnstatic/Zero%20Trust%20Architecture%20Buyers%20Guide%20v11%2020210610%20(2).pdf</a>

<b>— National Archives</b>		
WW	Controlled Unclassified Information (CUI)	<a href="https://www.archives.gov/cui">https://www.archives.gov/cui</a>
XX	Controlled Unclassified Information (CUI) Markings List	<a href="https://www.archives.gov/cui/registry/category-marking-list">https://www.archives.gov/cui/registry/category-marking-list</a>
<b>— National Institute of Standards and Technology (NIST)</b>		
XX	National Vulnerability Database (NVD)	<a href="https://nvd.nist.gov/">https://nvd.nist.gov/</a>
XX	USGv6 Program	<a href="https://www.nist.gov/programs-projects/usgv6-program">https://www.nist.gov/programs-projects/usgv6-program</a>
<b>— National Security Agency / Central Security Service (NSA / CSS)</b>		
XX	National Security Agency	<a href="https://www.nsa.gov/">https://www.nsa.gov/</a>
XX	NSA Cybersecurity Collaboration Center	<a href="https://www.nsa.gov/About/Cybersecurity-Collaboration-Center/">https://www.nsa.gov/About/Cybersecurity-Collaboration-Center/</a>
<b>— System for Award Management (SAM)</b>		
XX	System for Award Management (SAM.gov)	<a href="https://sam.gov/">https://sam.gov/</a>
XX	Service Contract Reporting (SCR)	<a href="https://sam.gov/content/entity-reporting">https://sam.gov/content/entity-reporting</a>
<b>— Section508.gov</b>		
XX	Section508.gov	<a href="https://www.section508.gov/">https://www.section508.gov/</a>
YY	Sell Accessible Products and Services	<a href="https://www.section508.gov/sell/">https://www.section508.gov/sell/</a>
ZZ	Voluntary Product Accessibility Template (VPAT <sup>(TM)</sup> )	<a href="https://www.section508.gov/sell/vpat">https://www.section508.gov/sell/vpat</a>