

Department of the Navy Data Server and Data Center Waiver Scope Matrix and FAQ

How to use this document in determining Data Server and Data Center Scope:

The predominant factor in determining whether a proposed obligation falls under the Data Server and Data Center Waiver requirement is the categorization of the physical destination for the IT hardware, software, licensing, and /or support services. The types of data centers that are covered by the Data Server and Data Center Waiver requirement, and data center-like entities that are exempt are defined in the DoD Data Center Reference Architecture. Data centers that are covered by the Data Server and Data Center Waiver requirement are categorized as Core Data Centers (CDCs), Component Enterprise Data Centers (CEDCs), Installation Processing Nodes (IPNs), Special Purpose Processing Nodes (SPPNs), or Tactical Processing Nodes (TPNs).

Obligations for expenses related to data center-like entities that fall below the threshold of a data center are not covered by the Data Server and Data Center Waiver requirement. Such entities are Communications Nodes (i.e., Installation Service Nodes (ISNs), Installation Gateways (IGs), Geographically Separated Units (GSUs) or Tactical Communications Nodes (TCNs)) or Operation Nodes (i.e., Enterprise Operations Centers (EOCs) and Global Enterprise Operations Centers (GEOCs)).

Two other Data Server and Data Center Waiver requirement exemptions are provided for, both based upon funding type. (1) National Intelligence Program (NIP) and (2) High Performance Computing Modernization Program (HPCMP) (Program Element 0603461A) funded data centers and associated expenditures are exempt from the Data Server and Data Center Waiver requirement.

Table #1 of this enclosure lists the different types of data centers and data center-like entities.

Table #2 of this enclosure lists the different types of obligations that are covered by the waiver requirement, and provides additional guidance and description. These are the current DoD “buckets” that data center obligations fall within. Everything that is procured for a data center should be identified as one of these category types.

Table #3 and the following FAQs include some commonly asked questions about specific purchase types. These fall into the categories of type of equipment, scope of work, and location of equipment.

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Type of Data Center	Data Server and Data Center Waiver	DoD Data Center Inventory Reporting	Reference(s) listed below
Core Data Center (CDC)	Required	Required	(h), (i), (j), (p)
Component Enterprise Data Center (CEDC)	Required	Required	(h), (i), (j), (p)
Installation Processing Node (IPN)	Required	Required	(h), (i), (j)
Special Purpose Processing Node (SPPN)	Required	Required	(h), (i), (j)
Tactical Processing Node (TPN) (includes: Deployed / In Garrison or Storage / Afloat / Aloft / Airborne)	Required, unless it is exempted from the IT Budget per FMR, Vol 2B, Chpt 18 (As noted in Table #3)	Not yet required. However, a TPN may be entered into DCIM to obtain a DoD Unique ID.	(h), (i), (j)
Communications Nodes (i.e., Installation Service Node (ISN), Installation Gateway (IG), Geographically Separated Unit (GSU) and Tactical Communications Node (TCN))	N/A	N/A	(h), (i), (j)
Operation Nodes (i.e., Enterprise Operations Center (EOC) and Global Enterprise Operations Center (GEOC))	N/A	N/A	(h), (i), (j)
National Intelligence Program (NIP) funded data centers and associated expenditures. The Office of the Director of National Intelligence staff submits NIP via separate mechanisms.	N/A	N/A	(f)
Military Intelligence Program (MIP) funded data centers and associated expenditures	Required	Required	(b), (c), (d), (g)
Other funding (i.e., O&M, PMC, OPN, OMN, etc...) for data centers (and associated expenditures) that are run by intelligence organizations	Required	Required	(b), (c), (d), (h)
High Performance Computing Modernization Program (HPCMP) (Program Element 0603461A) funded data centers and associated expenditures. <i>This is a specific DoD Program.</i>	N/A	Required	(g)
Research, Development, Test & Evaluation (RDT&E) Data Centers * * RDT&E is a type of Special Purpose Processing Node (SPPN) data center	Required	Required	(h), (i), (j)
OCONUS Data Center	Required Location (CONUS/OCONUS) is not a discriminator	Required Location (CONUS/OCONUS) is not a discriminator	(h), (i), (j)

Table #1

Department of the Navy Data Server and Data Center Waiver Scope Matrix and FAQ

Type of Obligation	Note(s)	Data Server and Data Center Waiver	Reference(s) listed below
Data Server	A data server is a physical host and its server operating system that provides one or more services for other hosts over a network as a primary function. Examples of data servers include but are not limited to: a) file servers which provide file sharing services so that users can access, modify, store, and delete files; b) database servers that provide database services for web applications on web servers; and c) web servers which provide web content services to users accessing web browsers. There are many other types of data servers, such as application, authentication, directory services, email, infrastructure management, logging, name/address resolution services (e.g., Domain Name Server [DNS]), and remote access.	Required	(b), (q)
Virtual Host	Hardware that hosts multiple operating systems contained in a virtualized container. Typically more robust than a commodity physical data server.	Required	(b)
Operating System Software	Includes licensing and annual software assurance/maintenance renewals that ensure that version upgrades are included, along with patches and bug fixes. Note: Software service support that includes “ <i>labor</i> ” should be captured as Data Center Operations and Maintenance Support.	Required	(b)
Virtual Host Software	Includes licensing and annual software assurance/maintenance renewals that ensure that version upgrades are included, along with patches and bug fixes. Note: Software service support that includes “ <i>labor</i> ” should be captured as Data Center Operations and Maintenance Support.	Required	(b)
Data Center Management Software	Includes licensing and annual software assurance/maintenance renewals that ensure that version upgrades are included, along with patches and bug fixes. Note: Software service support that includes “ <i>labor</i> ” should be captured as Data Center Operations and Maintenance Support.	Required	(b)
Data Storage Equipment	e.g., SAN, NAS, DAS, etc.	Required	(b)
Network Equipment	e.g., router, switch, appliances, cables, connectors, etc.	Required	(b)
Cyber Security Equipment	e.g., firewalls, encryption, HBSS, etc.	Required	(b)
Facility Infrastructure	e.g., power, generators, HVAC, UPS, electrical cabling, access control, etc.	Required	(b)
Data Center Operations and Maintenance Support	Labor for any element of a data center (e.g., HVAC, UPS, servers, switches, cabling, etc.) that provides service, operations support, training, warranty support, preventive, routine, and emergency maintenance, etc. as long as the labor support is specific to the data center and its operation. • <i>NOTE: Support or maintenance that does not include “labor” (i.e. updates, patches, bug fixes) should be captured in Operating System Software, Virtual Host Software or Data Center Management Software.</i>	Required	(b)
Data Center Hosting Fees	e.g., fees paid to Commercial, Federal, DoD, Air Force, Army, NGEN, SPAWAR, etc. data centers to host your command’s systems and/or applications in a data center facility other than your own.	N/A	N/A

Table #2

Department of the Navy Data Server and Data Center Waiver Scope Matrix and FAQ

Factor(s) in the Obligation	Note(s)	Data Server and Data Center Waiver	Reference(s) listed below
Program of Record	e.g., weapons systems, IT PORs, etc.	PoR is not a Waiver determinant. Refer to remainder of decision framework	(b)
Service/support contracts for system(s)/application(s) that are hosted within a data center. If ANY PORTION of the statement of work involves data center operations.	ANY portion of the work is in Operating System layer or below on the OSI model (e.g., involves applying STIGs to the OS, maintenance of the hardware, etc.)	Required	(b)
Service/support contracts for system(s)/application(s) that are hosted within a data center. If NO PORTION of the statement of work involves data center operations.	Works ONLY in application layer and above on the OSI model	N/A	(b)
End user devices and associated software and services; located in a data center	e.g., desktops, laptops, tablets, mobile devices, etc.	N/A	(b)
Software for applications and systems hosted within a data center; but NOT used to operate the data center	e.g., application layer and above on the OSI model	N/A	(b)
Transfer of Equipment from one data center to another	e.g., reuse of existing equipment	N/A	(b)
Network appliances OUTSIDE a data center	e.g., communications or network equipment; including cabling, media converters, switches, routers, etc.	N/A	(b)
IT acquired by a Federal Contractor incidental to performance of a Federal Contract.	The DoD Financial Management Regulation (FMR), Vol 2B, Chpt 18 provides for IT Budget exemptions. For procurements that are truly outside of the FAR requirement for the IT Budget, no Data Server and Data Center Waiver is required.	N/A	DoD CIO
Programs, projects, and activities embedded in non-C2/Communications programs or weapon systems or embedded in Service force structure and, therefore, not readily identifiable in the budget. DoD CIO will have final determination on what systems, programs, projects, and activities will be reported.	The FMR, Vol 2B, Chpt 18 provides for IT Budget exemptions. For procurements that are truly outside of the FAR requirement for the IT Budget, no Data Server and Data Center Waiver is required.	N/A	DoD CIO
Highly sensitive and special access programs whose resources are specifically exempted from budget reporting by the DoD CIO and other OSD authorities. In general, these resources are reviewed through separate budget processes	The FMR, Vol 2B, Chpt 18 provides for IT Budget exemptions. For procurements that are truly outside of the FAR requirement for the IT Budget, no Data Server and Data Center Waiver is required.	N/A	DoD CIO

Table #3

Department of the Navy Data Server and Data Center Waiver Scope Matrix and FAQ

Frequently Asked Questions (FAQ):

What is the definition of a Data Server?

A data server is a physical host and its server operating system that provides one or more services for other hosts over a network as a primary function. Examples of data servers include but are not limited to: a) file servers which provide file sharing services so that users can access, modify, store, and delete files; b) database servers that provide database services for web applications on web servers; c) web servers which provide web content services to users accessing web browsers. There are also many other types of data servers, such as application; authentication; directory services; email; infrastructure management; logging, name/address resolution services (e.g., Domain Name Server [DNS]); and remote access data servers. Note: a physical host that does not provide services for other hosts as a primary function, but incidentally provides one or a few services for maintenance or accessibility purposes, is not considered a data server. Examples of physical hosts that are not considered to be a data server are a laptop, or an embedded system or platform computing device, that has a remote access service enabled so that IT support staff can remotely maintain the device and perform troubleshooting, but provides no additional services for other hosts over a network.

Does an IT obligation to pay our command's hosting fees to a Commercial, Federal, DoD, Navy or Marine Corps data center owner or Cloud Service Provider (CSP) to host our systems and/or applications require a Data Server and Data Center Waiver?

The answer is no. Hosting fee obligations paid to a data center owner or Cloud Service Provider (CSP) to pay for your command's system and/or application hosting costs do require IT Procurement Request (ITPR) approval and must be correctly reflected in the IT Budget, but they do not require a Data Server and Data Center waiver. Note: DoD, Navy and Marine Corps data center owners that receive funds from hosting fees will submit a Data Server and Data Center Waiver when they actually obligate the money received from hosting fees to pay for any obligations for the operation of the data center.

Where can I find the list of software that falls under an enterprise agreement?

Department of the Navy Enterprise Software Licensing (DON ESL) Program Office Portal:

Private page: <https://navy.deps.mil/peoeis/sites/pmm110/default.aspx>

Public Page: <http://www.public.navy.mil/spawar/PEOEIS/Pages/ESL.aspx>

Department of Defense Enterprise Software Initiative (DoD ESI) Portal:

<http://www.esi.mil/Default.aspx>

Where can I find the DoD Data Center Reference Architecture?

DoD Data Center Reference Architectures are posted at the following link:

<https://wmaafip.csd.disa.mil/Section/Index/?aId=23&vId=U26&mVId=U33>

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Additional References:

- (a) DON Chief Information Officer Memorandum, Approvals/Waivers for Obligation of Funds for Data Servers and Centers, of September 1, 2015 (Cancelled)
- (b) DoD Chief Information Officer Memorandum, Approvals/Waivers for Obligation of Funds for Data Servers and Centers, of June 9, 2014
- (c) DoD Chief Information Officer Memorandum, Office of the Secretary of Defense Guidance for Fiscal Year 2019 Information Technology and Cyberspace Activities Budget Submissions, of August 9, 2017
- (d) DoD Chief Information Officer (CIO) Memorandum, Changes in DoD Data Center Inventory and Consolidation Implementation Plan Reporting Requirements, March 31, 2015
- (e) Office of Management and Budget Memorandum, "Data Center Optimization Initiative (DCOI)," dated August 1, 2016
- (f) DoD Chief Information Officer Memorandum, "Obligation of National Intelligence Program Funds for Data Servers and Centers," August 15, 2012
- (g) DoD Chief Information Officer Memorandum, "Exemption for Obligation of funds for data servers and data centers related to the High Performance Computing Modernization Program," January 25, 2013
- (h) DoD Chief Information Officer, "Updated Reporting Requirements," 05 June 2012
- (i) DoD Chief Information Officer, "Data Center Reference Architecture," Version 2.0, March 8, 2017
- (j) DoD Chief Information Officer Memorandum, "Identification of Department of Defense Data Center Types," November 01, 2012
- (k) DON Chief Information Officer Memorandum, "Mandatory Use of Department of the Navy Enterprise Licensing Agreements," February 22, 2012
- (l) DoD Chief Information Officer Memorandum "DoD JIE CONUS Core Data Centers and Application and System Migration," 11 July, 2013
- (m) DON Chief Information Officer Memorandum, "Department of the Navy (DON) Data Center Consolidation DCC Policy Guidance," 20 July, 2011
- (n) DON Chief Information Officer Memorandum, "Department of the Navy (DON) Secretariat Information Technology (IT) Efficiencies," 25 February, 2013
- (o) DON Chief Information Officer Memorandum, "Department of the Navy (DON) Server-Based System and Application Migration and Hosting Best Value Policy Guidance," 10 January, 2013
- (p) DoD Chief Information Officer Memorandum "Designation of Component Enterprise Data Centers and Core Data Centers," 11 April, 2017
- (q) National Institute of Standards and Technology (NIST) Publication 800-123 "Guide to General Server Security," July, 2008