**DESCRIPTION OF WORK**

|  |  |
| --- | --- |
| **Award/Mod Effective** | **Version Date** |
| {FOR award IN awardHistory} |  |
| {$award.contractAwardType.toLowerCase().replace(`\_`,` `)} | {$award.effectiveDate} |
| {END-FOR award} |  |

| Contract Number: | {contractInformation.contractNumber} |
| --- | --- |
| Task Order (TO) Number: |  |
| Contractor Name |  |
| Tracking Number: |  |
| Follow-on to Previous Contract and TO Number: | {IF contractInformation.currentContractExists== false}  {="Not applicable"}  {END-IF}  {IF contractInformation.currentContractExists != false}  {="Contract Number: "} {=contractInformation.contractNumber}  {="Task Order Number: "} {=contractInformation.previousTaskOrderNumber}  {END-IF} |

**1.**  TO Title. {toTitle}

**2.** Scope. {scope}

The information provided in this Description of Work (DoW) is to allow JWCC cloud service providers (CSPs) to propose/quote and the Government to analyze proposals/quotes in a consistent manner. All requirements specified in this DoW are presented as a minimum capability for analysis only and will neither limit the actual Cloud Service Offering(s) (CSO) ordered from the Contractor’s JWCC Catalog during TO performance nor exceed the dollar threshold established within the TO. Note: No CSOs shall be proposed/quoted using reserved instances/pre-paid/committed use.

The Government may require surge capabilities during the base or any option period (OP), and surge requirements will be within the scope of the task order for the defined task areas of this DoW. Surge capabilities over the life of the TO will not exceed {scopeSurge}% of the contractor’s total proposed price for the base and all OPs, excluding any six-month extension of services pursuant to Federal Acquisition Regulation (FAR) 52.217-8.

**3.** Background/Current Environment.

Do you have a current environment to rehost?   
*{IF currentEnvironment.currentEnvironmentExists == true}*

*{="Yes"}*

*{END-IF}*

*{IF currentEnvironment.currentEnvironmentExists != true}*

*{="No, current environment does not exist"}*

*{END-IF}*

Do you have system diagrams, data architecture diagrams, charts, or other information for your current environment?

*{IF currentEnvironment.hasSystemDocumentation == true}*

*{="Yes"}*

*{END-IF}*

*{IF currentEnvironment.hasSystemDocumentation == false || currentEnvironment.hasSystemDocumentation == null}*

*{="No"}*

*{END-IF}*

Has a migration assessment, analysis, or process occurred to identify the cloud services and tools needed?

*{IF currentEnvironment.hasMigrationDocumentation == true}*

*{="Yes"}*

*{END-IF}*

*{IF currentEnvironment.hasMigrationDocumentation == false || currentEnvironment.hasMigrationDocumentation == null }*

*{="No"}*

*{END-IF}*

Number of instances (isolated environment, enclave, or collection of components): { sumTotalInstances(currentEnvironment.envInstances)}

{EXEC instance = 1}

{FOR classifications IN currentEnvironment.envInstances}

**3.{INS instance}** Instance {INS instance}

* Number of instances with the following configurations: {INS $classifications.numberOfInstances}
* Location of current environment: {INS $classifications.instanceLocation}
* Data classification level: {INS $classifications.classificationLevel.classification}
* Type of information being hosted: {IF $classifications.instanceLocation === "Cloud"}{="Impact Level: "}{ INS $classifications.classificationLevel.impactLevel.impactLevel}{END-IF}
* Current usage: {IF $classifications.currentUsageDescription == 1}{="Irregular Usage"}{END-IF}{IF $classifications.currentUsageDescription == 0}{="Even Usage"}{END-IF}
  + {IF $classifications.currentUsageDescription == 1 && $classifications.isTrafficSpikeEventBased == true}{=" Event based: Yes"}{END-IF}
  + {IF $classifications.currentUsageDescription == 1 && $classifications.isTrafficSpikePeriodBased == true}{=" High usage periods: Yes"}{END-IF}
* Location(s) and approximate number of current users:

{FOR region IN currentEnvironment.envInstances[0].deployedRegions}

* + {INS $region.regions} {INS $region.usersPerRegion} users

{END-FOR region}

* Approximate number of vCPUs/size of compute: { INS $classifications.numberOfvCPUs}
  + Processor speed: {INS $classifications.processorSpeed}
  + Operating system: { INS $classifications.operatingSystem}
* Licensing: { INS $classifications.licensing}
* Memory ({ INS $classifications.memoryUnit}): { INS $classifications.memoryAmount}
* Storage type and current size ({ INS $classifications.storageUnit}): { INS $classifications.storageType} { INS $classifications.storageAmount}
* Performance tier: { INS $classifications.performanceTier}
* Approximate data/internet egress per month ({ INS $classifications.dataEgressMonthlyUnit}): { INS $classifications.dataEgressMonthlyAmount}
* Additional information: {INS $classifications.classificationLevel.additionalInformation}

{EXEC instance++}

{END-FOR classifications}

**4.** Performance Requirements.

{ EXEC liftAndShift = currentEnvironment.currentEnvironmentReplicatedOptimized}

{ EXEC replicateOptimize = currentEnvironment.currentEnvironmentReplicatedOptimized}

{ EXEC architecturalDesign = currentEnvironment.needsarchitecturalDesignRequirements}

**4.1** Task 1 - Objective-based Requirement.

**4.1.1** Do you want your current functions replicated (lift & shift) using JWCC offerings? {=liftAndShift}

{IF liftAndShift === "Yes"}

{="Please provide a detailed statement identifying the outcomes and objectives for this requirement:"}

{=""}

{="Do you anticipate additional growth? "} {IF currentEnvironment.anticipatedYearlyAdditionalCapacity > 0}{="Yes"}

* {="Additional Capacity: "} {=currentEnvironment.anticipatedYearlyAdditionalCapacity}

{=""}

{END-IF}{IF currentEnvironment.anticipatedYearlyAdditionalCapacity == 0}{="No"}{END-IF}

{="Are you looking for a phased approach? "} {IF currentEnvironment.hasPhasedApproach == true}{="Yes"}

* {="Schedule: "}{=currentEnvironment.phasedApproachSchedule}{END-IF}{IF currentEnvironment.hasPhasedApproach == false}{="No"}{END-IF}{END-IF}

**4.1.2** Do you want your current functions optimized (improved/modernized) using JWCC offerings? {=replicateOptimize}

{IF replicateOptimize === "Yes"}

{="Please provide a detailed statement identifying the outcomes and objectives for this requirement:"}

{=""}

{="Do you anticipate additional growth? "} {IF currentEnvironment.anticipatedYearlyAdditionalCapacity > 0}{="Yes"}

* {="Additional Capacity: "} {=currentEnvironment.anticipatedYearlyAdditionalCapacity}

{=""}

{END-IF}{IF currentEnvironment.anticipatedYearlyAdditionalCapacity == 0}{="No"}{END-IF}

{="Are you looking for a phased approach? "} {IF currentEnvironment.hasPhasedApproach == true}{="Yes"}

* {="Schedule: "}{=currentEnvironment.phasedApproachSchedule}{END-IF}{IF currentEnvironment.hasPhasedApproach == false}{="No"}{END-IF}{END-IF}

**4.1.3** Do you need an architectural design solution to address a known problem/use-case? {architecturalDesign ? `Yes` : `No`}

{EXEC archCount = 1}

{ALIAS archRequirement INS currentEnvironment.architecturalDesignRequirement}

{IF architecturalDesign}

**4.1.3.{=archCount}**  {="Known problem/use-case (current environment)"}

{="Please provide a detailed statement identifying the outcomes and objectives for this requirement: "}

{INS archRequirement.statement}

{=""}

{="Identify any applicable application(s)? "}{INS archRequirement.applicationNeedingDesign}

{="Classification level: "}{INS archRequirement.dataClassificationLevels.classification}

{="Are there any external factors to consider regarding the deployment? Such as expiring contracts, data center closure, restrictions of applications, etc. "}

{INS archRequirement.externalFactors}

{=""}

{END-IF}

**4.1.4** Do you want to include a cloud support package? {checkForCloudSupport() }

**4.2** Task 2 - XaaS (Anything as a Service).

{EXEC egressPerMonth = calcAvgDataEgress()}

Approximate data/internet egress per month ({=egressPerMonth.dataEgressMonthlyUnit}) (across entire duration of this TO): {=egressPerMonth.dataEgressAverage}

{EXEC il2EdgeCount = 0}

{EXEC il4EdgeCount = 0}

{EXEC il5EdgeCount = 0}

{EXEC il6EdgeCount = 0}

{EXEC check4IL2 = 0}

{EXEC check4IL4 = 0}

{EXEC check4IL5 = 0}

{EXEC check4IL6 = 0}

{EXEC xaas = checkXaas(xaasOfferings)}

{EXEC check4IL2 = xaas.il2.length}

{EXEC check4IL4 = xaas.il4.length}

{EXEC check4IL5 = xaas.il5.length}

{EXEC check4IL6 = xaas.il6.length}

**4.2.1** Unclassified - IL2

{IF check4IL2 > 0}

Location(s) and number of users:

{EXEC deployedRegions = getRegions("IL2")}

{FOR region IN deployedRegions}

* {INS $region.region} - {INS $region.users}

{END-FOR region}

{EXEC anticipatedNeeds = getAnticipatedNeeds("IL2")}

Anticipated future needs:

{FOR item IN anticipatedNeeds}

{IF $item.usersIncrease == true}

{IF $item.userGrowthEstimateType === "SINGLE"}

* {="Users:"} {="Static"}
* {="Users: Estimated lifecycle growth:"} {INS $item.userGrowthEstimatedPercentage}%

{END-IF}

{IF $item.userGrowthEstimateType === "MULTIPLE"}

* {="Users: Estimated growth per period: "}

{FOR period IN $item.userGrowthEstimatePercentage}

* + {INS $period.period}: {INS $period.value }%

{END-FOR period}

{END-IF}

{END-IF}

{IF $item.usersIncrease == false}

{END-IF}

{IF $item.dataGrowthEstimateType === "SINGLE"}

* {="Data:"} {="Static"}
* {="Data: Estimated lifecycle growth:"} {INS $item.dataGrowthEstimatePercentage}%{END-IF}

{IF $item.dataGrowthEstimateType === "MULTIPLE"}

* {="Data:"} {="Multiple"}
* {="Data: Estimated growth per period:"}

{FOR period IN $item.dataGrowthEstimatePercentage}

* + {INS $period.period}: {INS $period.value}%

{END-FOR period}

{END-IF}

{END-FOR item}

**4.2.1.1** Subtask 1 Compute (Unclassified - IL2):

{EXEC numInstances = getNumberComputeInstances("IL2")}

Number of instances: {=numInstances.dev + numInstances.preProd + numInstances.prod + numInstances.coop}

* Dev/Test: {=numInstances.dev}
* Pre-Production: {=numInstances.preProd}
* Production/Staging: {=numInstances.prod}
* COOP/Disaster Recovery:{=numInstances.coop}

{EXEC il2ComputeCount = 1}

{EXEC computeInstances = getComputeInstances("IL2")}

{FOR compute IN computeInstances}

**4.2.1.1.{=il2ComputeCount}** Instance {=il2ComputeCount}

* Number of instances with similar configurations: {INS $compute.numberOfInstances}
* Operating environment: {INS $compute.operatingEnvironment}
* OS and licensing: {INS $compute.osLicensing}
* Approximate number of vCPUs/size of compute: {INS $compute.numberOfvCPUs}
  + Processor speed: {INS $compute.processorSpeed}
  + Operating system: {INS $compute.operatingSystem}
* Memory ({INS $compute.memoryType}): {INS $compute.memoryAmount}
* Performance tier: {INS $compute.performanceTier}
* Storage type and size ({INS $compute.storageUnit}): {INS $compute.storageAmount} {INS $compute.storageType}
* Statement of objectives for anticipated need/usage: {INS $compute.anticipatedNeedOrUsage}

{EXEC il2ComputeCount++}

{END-FOR compute}

{IF il2ComputeCount == 1}

{="Reserved"}

{END-IF}

**4.2.1.2** Subtask 2 Developer Tools and Services (Unclassified - IL2):

{EXEC il2DevToolsCount = 1}

{EXEC developerTools = getStandardInstances("IL2", "DEVELOPER\_TOOLS")}

{FOR tools IN developerTools}

**4.2.1.2.{=il2DevToolsCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription}

{EXEC il2DevToolsCount++}

{END-FOR tools}

{IF il2DevToolsCount == 1}

{="Reserved"}

{END-IF}

**4.2.1.3** Subtask 3 Applications (Unclassified - IL2):

{EXEC il2AppsCount = 1}

{EXEC applications = getStandardInstances("IL2", "APPLICATIONS")}

{FOR tools IN applications}

**4.2.1.3.{=il2AppsCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription }

{EXEC il2AppsCount++}

{END-FOR tools}

{IF il2AppsCount == 1}

{="Reserved"}

{END-IF}

**4.2.1.4** Subtask 4 Advanced Technology and Algorithmic techniques (Machine Learning) and Data Analytics (Unclassified - IL2):

{EXEC il2MLCount = 1}

{EXEC machineLearning = getStandardInstances("IL2", "MACHINE\_LEARNING")}

{FOR tools IN machineLearning}

**4.2.1.4.{=il2MLCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il2MLCount++}*

*{END-FOR tools}*

{IF il2MLCount == 1}

{="Reserved"}

{END-IF}

**4.2.1.5** Subtask 5 Networking (Unclassified - IL2):

{EXEC il2NetworkCount = 1}

{EXEC networking = getStandardInstances("IL2", "NETWORKING")}

{FOR tools IN networking}

**4.2.1.5.{=il2NetworkCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il2NetworkCount++}*

*{END-FOR tools}*

{IF il2NetworkCount == 1}

{="Reserved"}

{END-IF}

**4.2.1.6** Subtask 6 Security (Unclassified - IL2):

{EXEC il2SecurityCount = 1}

{EXEC security = getStandardInstances("IL2", "SECURITY")}

{FOR tools IN security}

**4.2.1.6.{=il2SecurityCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il2SecurityCount++}*

*{END-FOR tools}*

{IF il2SecurityCount == 1}

{="Reserved"}

{END-IF}

**4.2.1.7** Subtask 7 Database (Unclassified - IL2):

{EXEC numDatabaseInstances = getNumberDatabaseInstances("IL2")}

{EXEC databaseInstances = getDatabaseInstances("IL2")}

{IF numDatabaseInstances > 0}

Number of instances: {=numDatabaseInstances}

{END-IF}

{EXEC il2DBCount = 1}

{FOR db IN databaseInstances}

**4.2.1.7.{=il2DBCount}** Instance **{=il2DBCount}**

* Number of instances with the following configurations: {INS $db.numberOfInstances}
* Approximate number of vCPUs/size of compute: {INS $db.numberOfvCPUs}
  + Processor speed: {INS $db.processorSpeed}
  + Operating system: {INS $db.operatingSystem}
* OS and licensing: {INS $db.osLicensing}
* DB and licensing: {INS $db.databaseLicensing}
* Memory ({INS $db.memoryUnit}): {INS $db.memoryAmount}
* Network performance: {INS $db.performanceTier}
* Storage type and size ({INS $db.storageUnit}): {INS $db.storageAmount}
* Database Type: {IF $db.databaseType !== "OTHER"}{=$db.databaseType}{END-IF}{IF $db.databaseType === "OTHER"}{=$db.databaseTypeOther}{END-IF}
* Statement of objectives for anticipated need/usage, to include the purpose and usage of the expected tools/capabilities: {INS $db.anticipatedNeedOrUsage}

{EXEC il2DBCount++}

{END-FOR db}

{IF il2DBCount == 1}

{="Reserved"}

{END-IF}

**4.2.1.8** Subtask 8 Storage (requirements separate from Compute/Database needs) (Unclassified - IL2):

{EXEC il2StorageCount = 1}

{EXEC environmentInstances = getStorageInstances("IL2")}

{FOR storage IN environmentInstances}

**4.2.1.8.{=il2StorageCount}** Instance **{=il2StorageCount}**

* Number of instances with the following configurations: {INS $storage.numberOfInstances}
* Storage type and size ({INS $storage.storageUnit}): {INS $storage.storageAmount}
* Statement of objectives for anticipated need/usage, to include the purpose and usage of the expected tools/capabilities: {INS $storage.anticipatedNeedOrUsage}

{EXEC il2StorageCount++}

{END-FOR storage}

{IF il2StorageCount == 1}

{="Reserved"}

{END-IF}

**4.2.1.9** Subtask 9 Edge Computing and Tactical Edge (TE) (Unclassified - IL2):

{EXEC edgeComputing = getStandardInstances("IL2","EDGE\_COMPUTING")}

{FOR tools IN edgeComputing}

{EXEC il2EdgeCount++}

**4.2.1.9. {=il2EdgeCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription }

{END-FOR tools}

{IF il2EdgeCount == 0}

{="Reserved"}

{END-IF}

**4.2.1.10**  Subtask 10 Internet of Things (IoT) (Unclassified - IL2):

{EXEC il2iOTCount = 1}

{EXEC iot = getStandardInstances("IL2", "IOT")}

{FOR tools IN iot}

**4.2.1.10.{=il2iOTCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il2iOTCount++}*

*{END-FOR tools}*

{IF il2iOTCount == 1}

{="Reserved"}

{END-IF}

**4.2.1.11** Subtask 11 General Infrastructure as a Service (IaaS), PaaS, and SaaS to include third party marketplace (not covered in Subtasks 4.2.1.1-4.2.1.10) (Unclassified - IL2):

{EXEC il2XaaSCount = 1}

{EXEC generalXaaS = getStandardInstances("IL2","GENERAL\_XAAS")}

{FOR tools IN generalXaaS}

**4.2.1.11.{=il2XaaSCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il2XaaSCount++}*

*{END-FOR tools}*

{IF il2XaaSCount == 1}

{="Reserved"}

{END-IF}

{END-IF}  
{IF check4IL2 == 0}  
{="Reserved"}

{END-IF}

**4.2.2** Unclassified - IL4:

{IF check4IL4 > 0}

Location(s) and number of users:

{EXEC deployedRegions = getRegions("IL4")}

{FOR region IN deployedRegions}

* {INS $region.region} - {INS $region.users}

{END-FOR region}

{EXEC anticipatedNeeds = getAnticipatedNeeds("IL4")}

Anticipated future needs:

{FOR item IN anticipatedNeeds}

{IF $item.usersIncrease == true}

{IF $item.userGrowthEstimateType === "SINGLE"}

* {="Users:"} {="Static"}
* {="Users: Estimated lifecycle growth:"} {INS $item.userGrowthEstimatedPercentage}%

{END-IF}

{IF $item.userGrowthEstimateType === "MULTIPLE"}

* {="Users: Estimated growth per period: "}

{FOR period IN $item.userGrowthEstimatePercentage}

* + {INS $period.period}: {INS $period.value }%

{END-FOR period}

{END-IF}

{END-IF}

{IF $item.usersIncrease == false}

{END-IF}

{IF $item.dataGrowthEstimateType === "SINGLE"}

* {="Data:"} {="Static"}
* {="Data: Estimated lifecycle growth:"} {INS $item.dataGrowthEstimatePercentage}%{END-IF}

{IF $item.dataGrowthEstimateType === "MULTIPLE"}

* {="Data:"} {="Multiple"}
* {="Data: Estimated growth per period:"}

{FOR period IN $item.dataGrowthEstimatePercentage}

* + {INS $period.period}: {INS $period.value}%

{END-FOR period}

{END-IF}

{END-FOR item}

**4.2.2.1** Subtask 1 Compute (Unclassified - IL4):

{EXEC numInstances = getNumberComputeInstances("IL4")}

Number of instances: {=numInstances.dev + numInstances.preProd + numInstances.prod + numInstances.coop}

* Dev/Test: {=numInstances.dev}
* Pre-Production: {=numInstances.preProd}
* Production/Staging: {=numInstances.prod}
* COOP/Disaster Recovery:{=numInstances.coop}

{EXEC il4ComputeCount = 1}

{EXEC computeInstances = getComputeInstances("IL4")}

{FOR compute IN computeInstances}

**4.2.2.1.{=il4ComputeCount}** Instance {=il4ComputeCount}

* Number of instances with similar configurations: {INS $compute.numberOfInstances}
* Operating environment: {INS $compute.operatingEnvironment}
* OS and licensing: {INS $compute.osLicensing}
* Approximate number of vCPUs/size of compute: {INS $compute.numberOfvCPUs}
  + Processor speed: {INS $compute.processorSpeed}
  + Operating system: {INS $compute.operatingSystem}
* Memory ({INS $compute.memoryType}): {INS $compute.memoryAmount}
* Performance tier: {INS $compute.performanceTier}
* Storage type and size ({INS $compute.storageUnit}): {INS $compute.storageAmount} {INS $compute.storageType}
* Statement of objectives for anticipated need/usage: {INS $compute.anticipatedNeedOrUsage}

{EXEC il4ComputeCount++}

{END-FOR compute}

{IF il4ComputeCount == 1}

{="Reserved"}

{END-IF}

**4.2.2.2** Subtask 2 Developer Tools and Services (Unclassified - IL4):

{EXEC il4DevToolsCount = 1}

{EXEC developerTools = getStandardInstances("IL4", "DEVELOPER\_TOOLS")}

{FOR tools IN developerTools}

**4.2.2.2.{=il4DevToolsCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription}

{EXEC il4DevToolsCount++}

{END-FOR tools}

{IF il4DevToolsCount == 1}

{="Reserved"}

{END-IF}

**4.2.2.3** Subtask 3 Applications (Unclassified - IL4):

{EXEC il4AppsCount = 1}

{EXEC applications = getStandardInstances("IL4", "APPLICATIONS")}

{FOR tools IN applications}

**4.2.2.3.{=il4AppsCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription }

{EXEC il4AppsCount++}

{END-FOR tools}

{IF il4AppsCount == 1}

{="Reserved"}

{END-IF}

**4.2.2.4** Subtask 4 Advanced Technology and Algorithmic techniques (Machine Learning) and Data Analytics (Unclassified - IL4):

{EXEC il4MLCount = 1}

{EXEC machineLearning = getStandardInstances("IL4", "MACHINE\_LEARNING")}

{FOR tools IN machineLearning}

**4.2.2.4.{=il4MLCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il4MLCount++}*

*{END-FOR tools}*

{IF il4MLCount == 1}

{="Reserved"}

{END-IF}

**4.2.2.5** Subtask 5 Networking (Unclassified - IL4):

{EXEC il4NetworkCount = 1}

{EXEC networking = getStandardInstances("IL4", "NETWORKING")}

{FOR tools IN networking}

**4.2.2.5.{=il4NetworkCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il4NetworkCount++}*

*{END-FOR tools}*

{IF il4NetworkCount == 1}

{="Reserved"}

{END-IF}

**4.2.2.6** Subtask 6 Security (Unclassified - IL4):

{EXEC il4SecurityCount = 1}

{EXEC security = getStandardInstances("IL4", "SECURITY")}

{FOR tools IN security}

**4.2.2.6.{=il4SecurityCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il4SecurityCount++}*

*{END-FOR tools}*

{IF il4SecurityCount == 1}

{="Reserved"}

{END-IF}

**4.2.2.7** Subtask 7 Database (Unclassified - IL4):

{EXEC numDatabaseInstances = getNumberDatabaseInstances("IL4")}

{EXEC databaseInstances = getDatabaseInstances("IL4")}

{IF numDatabaseInstances > 0}

Number of instances: {=numDatabaseInstances}

{END-IF}

{EXEC il4DBCount = 1}

{FOR db IN databaseInstances}

**4.2.2.7.{=il4DBCount}** Instance **{=il4DBCount}**

* Number of instances with the following configurations: {INS $db.numberOfInstances}
* Approximate number of vCPUs/size of compute: {INS $db.numberOfvCPUs}
  + Processor speed: {INS $db.processorSpeed}
  + Operating system: {INS $db.operatingSystem}
* OS and licensing: {INS $db.osLicensing}
* DB and licensing: {INS $db.databaseLicensing}
* Memory ({INS $db.memoryUnit}): {INS $db.memoryAmount}
* Network performance: {INS $db.performanceTier}
* Storage type and size ({INS $db.storageUnit}): {INS $db.storageAmount}
* Database Type: {IF $db.databaseType !== "OTHER"}{=$db.databaseType}{END-IF}{IF $db.databaseType === "OTHER"}{=$db.databaseTypeOther}{END-IF}
* Statement of objectives for anticipated need/usage, to include the purpose and usage of the expected tools/capabilities: {INS $db.anticipatedNeedOrUsage}

{EXEC il4DBCount++}

{END-FOR db}

{IF il4DBCount == 1}

{="Reserved"}

{END-IF}

**4.2.2.8** Subtask 8 Storage (requirements separate from Compute/Database needs) (Unclassified - IL4):

{EXEC il4StorageCount = 1}

{EXEC environmentInstances = getStorageInstances("IL4")}

{FOR storage IN environmentInstances}

**4.2.2.8.{=il4StorageCount}** Instance **{=il4StorageCount}**

* Number of instances with the following configurations: {INS $storage.numberOfInstances}
* Storage type and size ({INS $storage.storageUnit}): {INS $storage.storageAmount}
* Statement of objectives for anticipated need/usage, to include the purpose and usage of the expected tools/capabilities: {INS $storage.anticipatedNeedOrUsage}

{EXEC il4StorageCount++}

{END-FOR storage}

{IF il4StorageCount == 1}

{="Reserved"}

{END-IF}

**4.2.2.9** Subtask 9 Edge Computing and Tactical Edge (TE) (Unclassified - IL4):

{EXEC edgeComputing = getStandardInstances("IL4","EDGE\_COMPUTING")}

{FOR tools IN edgeComputing}

{EXEC il4EdgeCount++}

**4.2.2.9. {=il4EdgeCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription }

{END-FOR tools}

{IF il4EdgeCount == 0}

{="Reserved"}

{END-IF}

**4.2.2.10**  Subtask 10 Internet of Things (IoT) (Unclassified - IL4):

{EXEC il4iOTCount = 1}

{EXEC iot = getStandardInstances("IL4", "IOT")}

{FOR tools IN iot}

**4.2.2.10.{=il4iOTCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il4iOTCount++}*

*{END-FOR tools}*

{IF il4iOTCount == 1}

{="Reserved"}

{END-IF}

**4.2.2.11** Subtask 11 General Infrastructure as a Service (IaaS), PaaS, and SaaS to include third party marketplace (not covered in Subtasks 4.2.2.1-4.2.2.10) (Unclassified - IL4):

{EXEC il4XaaSCount = 1}

{EXEC generalXaaS = getStandardInstances("IL4","GENERAL\_XAAS")}

{FOR tools IN generalXaaS}

**4.2.2.11.{=il4XaaSCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il4XaaSCount++}*

*{END-FOR tools}*

{IF il4XaaSCount == 1}

{="Reserved"}

{END-IF}

{END-IF}  
{IF check4IL4 == 0}  
{="Reserved"}

{END-IF}

**4.2.3** Unclassified - IL5:

{IF check4IL5 > 0}

Location(s) and number of users:

{EXEC deployedRegions = getRegions("IL5")}

{FOR region IN deployedRegions}

* {INS $region.region} - {INS $region.users}

{END-FOR region}

{EXEC anticipatedNeeds = getAnticipatedNeeds("IL5")}

Anticipated future needs:

{FOR item IN anticipatedNeeds}

{IF $item.usersIncrease == true}

{IF $item.userGrowthEstimateType === "SINGLE"}

* {="Users:"} {="Static"}
* {="Users: Estimated lifecycle growth:"} {INS $item.userGrowthEstimatedPercentage}%

{END-IF}

{IF $item.userGrowthEstimateType === "MULTIPLE"}

* {="Users: Estimated growth per period: "}

{FOR period IN $item.userGrowthEstimatePercentage}

* + {INS $period.period}: {INS $period.value }%

{END-FOR period}

{END-IF}

{END-IF}

{IF $item.usersIncrease == false}

{END-IF}

{IF $item.dataGrowthEstimateType === "SINGLE"}

* {="Data:"} {="Static"}
* {="Data: Estimated lifecycle growth:"} {INS $item.dataGrowthEstimatePercentage}%{END-IF}

{IF $item.dataGrowthEstimateType === "MULTIPLE"}

* {="Data:"} {="Multiple"}
* {="Data: Estimated growth per period:"}

{FOR period IN $item.dataGrowthEstimatePercentage}

* + {INS $period.period}: {INS $period.value}%

{END-FOR period}

{END-IF}

{END-FOR item}

**4.2.3.1** Subtask 1 Compute (Unclassified - IL5):

{EXEC numInstances = getNumberComputeInstances("IL5")}

Number of instances: {=numInstances.dev + numInstances.preProd + numInstances.prod + numInstances.coop}

* Dev/Test: {=numInstances.dev}
* Pre-Production: {=numInstances.preProd}
* Production/Staging: {=numInstances.prod}
* COOP/Disaster Recovery:{=numInstances.coop}

{EXEC il5ComputeCount = 1}

{EXEC computeInstances = getComputeInstances("IL5")}

{FOR compute IN computeInstances}

**4.2.3.1.{=il5ComputeCount}** Instance {=il5ComputeCount}

* Number of instances with similar configurations: {INS $compute.numberOfInstances}
* Operating environment: {INS $compute.operatingEnvironment}
* OS and licensing: {INS $compute.osLicensing}
* Approximate number of vCPUs/size of compute: {INS $compute.numberOfvCPUs}
  + Processor speed: {INS $compute.processorSpeed}
  + Operating system: {INS $compute.operatingSystem}
* Memory ({INS $compute.memoryType}): {INS $compute.memoryAmount}
* Performance tier: {INS $compute.performanceTier}
* Storage type and size ({INS $compute.storageUnit}): {INS $compute.storageAmount} {INS $compute.storageType}
* Statement of objectives for anticipated need/usage: {INS $compute.anticipatedNeedOrUsage}

{EXEC il5ComputeCount++}

{END-FOR compute}

{IF il5ComputeCount == 1}

{="Reserved"}

{END-IF}

**4.2.3.2** Subtask 2 Developer Tools and Services (Unclassified - IL5):

{EXEC il5DevToolsCount = 1}

{EXEC developerTools = getStandardInstances("IL5", "DEVELOPER\_TOOLS")}

{FOR tools IN developerTools}

**4.2.3.2.{=il5DevToolsCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription}

{EXEC il5DevToolsCount++}

{END-FOR tools}

{IF il5DevToolsCount == 1}

{="Reserved"}

{END-IF}

**4.2.3.3** Subtask 3 Applications (Unclassified - IL5):

{EXEC il5AppsCount = 1}

{EXEC applications = getStandardInstances("IL5", "APPLICATIONS")}

{FOR tools IN applications}

**4.2.3.3.{=il5AppsCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription }

{EXEC il5AppsCount++}

{END-FOR tools}

{IF il5AppsCount == 1}

{="Reserved"}

{END-IF}

**4.2.3.4** Subtask 4 Advanced Technology and Algorithmic techniques (Machine Learning) and Data Analytics (Unclassified - IL5):

{EXEC il5MLCount = 1}

{EXEC machineLearning = getStandardInstances("IL5", "MACHINE\_LEARNING")}

{FOR tools IN machineLearning}

**4.2.3.4.{=il5MLCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il5MLCount++}*

*{END-FOR tools}*

{IF il5MLCount == 1}

{="Reserved"}

{END-IF}

**4.2.3.5** Subtask 5 Networking (Unclassified - IL5):

{EXEC il5NetworkCount = 1}

{EXEC networking = getStandardInstances("IL5", "NETWORKING")}

{FOR tools IN networking}

**4.2.3.5.{=il5NetworkCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il5NetworkCount++}*

*{END-FOR tools}*

{IF il5NetworkCount == 1}

{="Reserved"}

{END-IF}

**4.2.3.6** Subtask 6 Security (Unclassified - IL5):

{EXEC il5SecurityCount = 1}

{EXEC security = getStandardInstances("IL5", "SECURITY")}

{FOR tools IN security}

**4.2.3.6.{=il5SecurityCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il5SecurityCount++}*

*{END-FOR tools}*

{IF il5SecurityCount == 1}

{="Reserved"}

{END-IF}

**4.2.3.7** Subtask 7 Database (Unclassified - IL5):

{EXEC numDatabaseInstances = getNumberDatabaseInstances("IL5")}

{EXEC databaseInstances = getDatabaseInstances("IL5")}

{IF numDatabaseInstances > 0}

Number of instances: {=numDatabaseInstances}

{END-IF}

{EXEC il5DBCount = 1}

{FOR db IN databaseInstances}

**4.2.3.7.{=il5DBCount}** Instance **{=il5DBCount}**

* Number of instances with the following configurations: {INS $db.numberOfInstances}
* Approximate number of vCPUs/size of compute: {INS $db.numberOfvCPUs}
  + Processor speed: {INS $db.processorSpeed}
  + Operating system: {INS $db.operatingSystem}
* OS and licensing: {INS $db.osLicensing}
* DB and licensing: {INS $db.databaseLicensing}
* Memory ({INS $db.memoryUnit}): {INS $db.memoryAmount}
* Network performance: {INS $db.performanceTier}
* Storage type and size ({INS $db.storageUnit}): {INS $db.storageAmount}
* Database Type: {IF $db.databaseType !== "OTHER"}{=$db.databaseType}{END-IF}{IF $db.databaseType === "OTHER"}{=$db.databaseTypeOther}{END-IF}
* Statement of objectives for anticipated need/usage, to include the purpose and usage of the expected tools/capabilities: {INS $db.anticipatedNeedOrUsage}

{EXEC il5DBCount++}

{END-FOR db}

{IF il5DBCount == 1}

{="Reserved"}

{END-IF}

**4.2.3.8** Subtask 8 Storage (requirements separate from Compute/Database needs) (Unclassified - IL5):

{EXEC il5StorageCount = 1}

{EXEC environmentInstances = getStorageInstances("IL5")}

{FOR storage IN environmentInstances}

**4.2.3.8.{=il5StorageCount}** Instance **{=il5StorageCount}**

* Number of instances with the following configurations: {INS $storage.numberOfInstances}
* Storage type and size ({INS $storage.storageUnit}): {INS $storage.storageAmount}
* Statement of objectives for anticipated need/usage, to include the purpose and usage of the expected tools/capabilities: {INS $storage.anticipatedNeedOrUsage}

{EXEC il5StorageCount++}

{END-FOR storage}

{IF il5StorageCount == 1}

{="Reserved"}

{END-IF}

**4.2.3.9** Subtask 9 Edge Computing and Tactical Edge (TE) (Unclassified - IL5):

{EXEC edgeComputing = getStandardInstances("IL5","EDGE\_COMPUTING")}

{FOR tools IN edgeComputing}

{EXEC il5EdgeCount++}

**4.2.3.9. {=il5EdgeCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription }

{END-FOR tools}

{IF il5EdgeCount == 0}

{="Reserved"}

{END-IF}

**4.2.3.10**  Subtask 10 Internet of Things (IoT) (Unclassified - IL5):

{EXEC il5iOTCount = 1}

{EXEC iot = getStandardInstances("IL5", "IOT")}

{FOR tools IN iot}

**4.2.3.10.{=il5iOTCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il5iOTCount++}*

*{END-FOR tools}*

{IF il5iOTCount == 1}

{="Reserved"}

{END-IF}

**4.2.3.11** Subtask 11 General Infrastructure as a Service (IaaS), PaaS, and SaaS to include third party marketplace (not covered in Subtasks 4.2.3.1-4.2.3.10) (Unclassified - IL5):

{EXEC il5XaaSCount = 1}

{EXEC generalXaaS = getStandardInstances("IL5","GENERAL\_XAAS")}

{FOR tools IN generalXaaS}

**4.2.3.11.{=il5XaaSCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il5XaaSCount++}*

*{END-FOR tools}*

{IF il5XaaSCount == 1}

{="Reserved"}

{END-IF}

{END-IF}  
{IF check4IL5 == 0}  
{="Reserved"}

{END-IF}

**4.2.4** Secret - IL6:

{IF check4IL6 > 0}

Location(s) and number of users:

{EXEC deployedRegions = getRegions("IL6")}

{FOR region IN deployedRegions}

* {INS $region.region} - {INS $region.users}

{END-FOR region}

{EXEC anticipatedNeeds = getAnticipatedNeeds("IL6")}

Anticipated future needs:

{FOR item IN anticipatedNeeds}

{IF $item.usersIncrease == true}

{IF $item.userGrowthEstimateType === "SINGLE"}

* {="Users:"} {="Static"}
* {="Users: Estimated lifecycle growth:"} {INS $item.userGrowthEstimatedPercentage}%

{END-IF}

{IF $item.userGrowthEstimateType === "MULTIPLE"}

* {="Users: Estimated growth per period: "}

{FOR period IN $item.userGrowthEstimatePercentage}

* + {INS $period.period}: {INS $period.value }%

{END-FOR period}

{END-IF}

{END-IF}

{IF $item.usersIncrease == false}

{END-IF}

{IF $item.dataGrowthEstimateType === "SINGLE"}

* {="Data:"} {="Static"}
* {="Data: Estimated lifecycle growth:"} {INS $item.dataGrowthEstimatePercentage}%{END-IF}

{IF $item.dataGrowthEstimateType === "MULTIPLE"}

* {="Data:"} {="Multiple"}
* {="Data: Estimated growth per period:"}

{FOR period IN $item.dataGrowthEstimatePercentage}

* + {INS $period.period}: {INS $period.value}%

{END-FOR period}

{END-IF}

{END-FOR item}

**4.2.4.1** Subtask 1 Compute (Unclassified - IL6):

{EXEC numInstances = getNumberComputeInstances("IL6")}

Number of instances: {=numInstances.dev + numInstances.preProd + numInstances.prod + numInstances.coop}

* Dev/Test: {=numInstances.dev}
* Pre-Production: {=numInstances.preProd}
* Production/Staging: {=numInstances.prod}
* COOP/Disaster Recovery:{=numInstances.coop}

{EXEC il6ComputeCount = 1}

{EXEC computeInstances = getComputeInstances("IL6")}

{FOR compute IN computeInstances}

**4.2.4.1.{=il6ComputeCount}** Instance {=il6ComputeCount}

* Number of instances with similar configurations: {INS $compute.numberOfInstances}
* Operating environment: {INS $compute.operatingEnvironment}
* OS and licensing: {INS $compute.osLicensing}
* Approximate number of vCPUs/size of compute: {INS $compute.numberOfvCPUs}
  + Processor speed: {INS $compute.processorSpeed}
  + Operating system: {INS $compute.operatingSystem}
* Memory ({INS $compute.memoryType}): {INS $compute.memoryAmount}
* Performance tier: {INS $compute.performanceTier}
* Storage type and size ({INS $compute.storageUnit}): {INS $compute.storageAmount} {INS $compute.storageType}
* Statement of objectives for anticipated need/usage: {INS $compute.anticipatedNeedOrUsage}

{EXEC il6ComputeCount++}

{END-FOR compute}

{IF il6ComputeCount == 1}

{="Reserved"}

{END-IF}

**4.2.4.2** Subtask 2 Developer Tools and Services (Unclassified - IL6):

{EXEC il6DevToolsCount = 1}

{EXEC developerTools = getStandardInstances("IL6", "DEVELOPER\_TOOLS")}

{FOR tools IN developerTools}

**4.2.4.2.{=il6DevToolsCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription}

{EXEC il6DevToolsCount++}

{END-FOR tools}

{IF il6DevToolsCount == 1}

{="Reserved"}

{END-IF}

**4.2.4.3** Subtask 3 Applications (Unclassified - IL6):

{EXEC il6AppsCount = 1}

{EXEC applications = getStandardInstances("IL6", "APPLICATIONS")}

{FOR tools IN applications}

**4.2.4.3.{=il6AppsCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription }

{EXEC il6AppsCount++}

{END-FOR tools}

{IF il6AppsCount == 1}

{="Reserved"}

{END-IF}

**4.2.4.4** Subtask 4 Advanced Technology and Algorithmic techniques (Machine Learning) and Data Analytics (Unclassified - IL6):

{EXEC il6MLCount = 1}

{EXEC machineLearning = getStandardInstances("IL6", "MACHINE\_LEARNING")}

{FOR tools IN machineLearning}

**4.2.4.4.{=il6MLCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il6MLCount++}*

*{END-FOR tools}*

{IF il6MLCount == 1}

{="Reserved"}

{END-IF}

**4.2.4.5** Subtask 5 Networking (Unclassified - IL6):

{EXEC il6NetworkCount = 1}

{EXEC networking = getStandardInstances("IL6", "NETWORKING")}

{FOR tools IN networking}

**4.2.4.5.{=il6NetworkCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il6NetworkCount++}*

*{END-FOR tools}*

{IF il6NetworkCount == 1}

{="Reserved"}

{END-IF}

**4.2.4.6** Subtask 6 Security (Unclassified - IL6):

{EXEC il6SecurityCount = 1}

{EXEC security = getStandardInstances("IL6", "SECURITY")}

{FOR tools IN security}

**4.2.4.6.{=il6SecurityCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il6SecurityCount++}*

*{END-FOR tools}*

{IF il6SecurityCount == 1}

{="Reserved"}

{END-IF}

**4.2.4.7** Subtask 7 Database (Unclassified - IL6):

{EXEC numDatabaseInstances = getNumberDatabaseInstances("IL6")}

{EXEC databaseInstances = getDatabaseInstances("IL6")}

{IF numDatabaseInstances > 0}

Number of instances: {=numDatabaseInstances}

{END-IF}

{EXEC il6DBCount = 1}

{FOR db IN databaseInstances}

**4.2.4.7.{=il6DBCount}** Instance **{=il6DBCount}**

* Number of instances with the following configurations: {INS $db.numberOfInstances}
* Approximate number of vCPUs/size of compute: {INS $db.numberOfvCPUs}
  + Processor speed: {INS $db.processorSpeed}
  + Operating system: {INS $db.operatingSystem}
* OS and licensing: {INS $db.osLicensing}
* DB and licensing: {INS $db.databaseLicensing}
* Memory ({INS $db.memoryUnit}): {INS $db.memoryAmount}
* Network performance: {INS $db.performanceTier}
* Storage type and size ({INS $db.storageUnit}): {INS $db.storageAmount}
* Database Type: {IF $db.databaseType !== "OTHER"}{=$db.databaseType}{END-IF}{IF $db.databaseType === "OTHER"}{=$db.databaseTypeOther}{END-IF}
* Statement of objectives for anticipated need/usage, to include the purpose and usage of the expected tools/capabilities: {INS $db.anticipatedNeedOrUsage}

{EXEC il6DBCount++}

{END-FOR db}

{IF il6DBCount == 1}

{="Reserved"}

{END-IF}

**4.2.4.8** Subtask 8 Storage (requirements separate from Compute/Database needs) (Unclassified - IL6):

{EXEC il6StorageCount = 1}

{EXEC environmentInstances = getStorageInstances("IL6")}

{FOR storage IN environmentInstances}

**4.2.4.8.{=il6StorageCount}** Instance **{=il6StorageCount}**

* Number of instances with the following configurations: {INS $storage.numberOfInstances}
* Storage type and size ({INS $storage.storageUnit}): {INS $storage.storageAmount}
* Statement of objectives for anticipated need/usage, to include the purpose and usage of the expected tools/capabilities: {INS $storage.anticipatedNeedOrUsage}

{EXEC il6StorageCount++}

{END-FOR storage}

{IF il6StorageCount == 1}

{="Reserved"}

{END-IF}

**4.2.4.9** Subtask 9 Edge Computing and Tactical Edge (TE) (Unclassified - IL6):

{EXEC edgeComputing = getStandardInstances("IL6","EDGE\_COMPUTING")}

{FOR tools IN edgeComputing}

{EXEC il6EdgeCount++}

**4.2.4.9. {=il6EdgeCount}** {INS $tools.serviceOffering.name}

{INS $tools.classificationInstances[0].usageDescription }

{END-FOR tools}

{IF il6EdgeCount == 0}

{="Reserved"}

{END-IF}

**4.2.4.10**  Subtask 10 Internet of Things (IoT) (Unclassified - IL6):

{EXEC il6iOTCount = 1}

{EXEC iot = getStandardInstances("IL6", "IOT")}

{FOR tools IN iot}

**4.2.4.10.{=il6iOTCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il6iOTCount++}*

*{END-FOR tools}*

{IF il6iOTCount == 1}

{="Reserved"}

{END-IF}

**4.2.4.11** Subtask 11 General Infrastructure as a Service (IaaS), PaaS, and SaaS to include third party marketplace (not covered in Subtasks 4.2.4.1-4.2.4.10) (Unclassified - IL6):

{EXEC il6XaaSCount = 1}

{EXEC generalXaaS = getStandardInstances("IL6","GENERAL\_XAAS")}

{FOR tools IN generalXaaS}

**4.2.4.11.{=il6XaaSCount}** {INS $tools.serviceOffering.name}

*{INS* $tools.classificationInstances[0].usageDescription *}*

*{EXEC il6XaaSCount++}*

*{END-FOR tools}*

{IF il6XaaSCount == 1}

{="Reserved"}

{END-IF}

{END-IF}  
{IF check4IL6 == 0}  
{="Reserved"}

{END-IF}

**4.2.5** TS: Reserved

**4.2.6** Cross-Domain Solutions (CDS) (only applicable if multiple classification level CLINs are ordered):

{IF crossDomainSolutions.crossDomainSolutionRequired == true}

Do you require a CDS?

{FOR item IN crossDomainSolutions.trafficPerDomainPair}

{IF $item.type === "U\_TO\_S"}

* Unclassified to Secret (GB/mo): {INS $item.dataQuantity}

{END-IF}

{IF $item.type === "S\_TO\_U"}

* Secret to Unclassified (GB/mo): {INS $item.dataQuantity}

{END-IF}

{END-FOR item}

Projected file stream/type: {=crossDomainSolutions.projectedFileStreamType}

Statement of objectives for anticipated need: {=crossDomainSolutions.anticipatedNeedOrUsage}

{END-IF}

{IF crossDomainSolutions.crossDomainSolutionRequired == false}

{="Reserved"}

{END-IF}

**4.3** Task 3 - Cloud Support Packages.

{EXEC filteredCSP = filterCloudSupport(cloudSupportPackages)}

**4.3.1** Unclassified - IL2

{EXEC il2AA = 1}

{EXEC il2HDS = 1}

{EXEC il2Training = 1}

{EXEC il2DS = 1}

{EXEC il2GCS = 1}

{IF filteredCSP.il2.length > 0}

{FOR item IN filteredCSP.il2}

{IF $item.serviceType === "Portability Plan"}

Do you require a Portability Plan IAW the basic JWCC Contract? {="Yes"}

{END-IF}

{END-FOR item}

**4.3.1.1** Subtask 1 Advisory and assistance (Unclassified - IL2):

{FOR item IN filteredCSP.il2}

{IF $item.serviceType === "ADVISORY"}

**4.3.1.1.{=il2AA}** Service {=il2AA}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il2AA++}

{END-IF}

{END-FOR item}

{IF il2AA == 1}  
{="Reserved"}

{END-IF}

**4.3.1.2** Subtask 2 Help Desk Services (Unclassified - IL2):

{FOR item IN filteredCSP.il2}

{IF $item.serviceType === "HELP\_DESK\_SERVICES"}

**4.3.1.2.{=il2HDS}** Service {=il2HDS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il2HDS++}

{END-IF}

{END-FOR item}

{IF il2HDS == 1}  
{="Reserved"}

{END-IF}

**4.3.1.3** Subtask 3 Training (Unclassified - IL2):

{FOR item IN filteredCSP.il2}

{IF $item.serviceType === "TRAINING"}

**4.3.1.3.{=il2Training}** Training {=il2Training}

* What training do you require: {$item.trainingRequirementTitle}
* What format do you require? {$item.trainingFormat}

{IF $item.trainingLocation != null}

* + Location: {$item.trainingLocation}

{END-IF}

* What type of facility will your training be held at? {$item.trainingFacilityType}
* How many personnel require training: {$item.personnelRequiringTraining}
* Statement of objectives for anticipated need, to include the purpose of the expected training:{$item.anticipatedNeedOrUsage}

{EXEC il2Training++}

{END-IF}

{END-FOR item}

{IF il2Training == 1}

{="Reserved"}

{END-IF}

**4.3.1.4** Subtask 4 Documentation Support (Unclassified - IL2):

{FOR item IN filteredCSP.il2}

{IF $item.serviceType === "DOCUMENTATION\_SUPPORT"}

**4.3.1.4.{=il2DS}** Service {=il2DS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il2DS++}

{END-IF}

{END-FOR item}

{IF il2DS == 1}  
{="Reserved"}

{END-IF}

**4.3.1.5** Subtask 5 General Cloud Support (not covered in Subtasks 4.3.1.1 - 4.3.1.4) (Unclassified - IL2):

{FOR item IN filteredCSP.il2}

{IF $item.serviceType === "GENERAL\_CLOUD\_SUPPORT"}

**4.3.1.5.{=il2GCS}** Service {=il2GCS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il2GCS++}

{END-IF}

{END-FOR item}

{IF il2GCS == 1}  
{="Reserved"}

{END-IF}

{END-IF}

{IF filteredCSP.il2.length == 0}  
{="Reserved"}

{END-IF}

**4.3.2** Unclassified - IL4:

{EXEC il4AA = 1}

{EXEC il4HDS = 1}

{EXEC il4Training = 1}

{EXEC il4DS = 1}

{EXEC il4GCS = 1}

{IF filteredCSP.il4.length > 0}

{FOR item IN filteredCSP.il4}

{IF $item.serviceType === "Portability Plan"}

Do you require a Portability Plan IAW the basic JWCC Contract? {="Yes"}

{END-IF}

{END-FOR item}

**4.3.2.1** Subtask 1 Advisory and assistance (Unclassified - IL4):

{FOR item IN filteredCSP.il4}

{IF $item.serviceType === "ADVISORY"}

**4.3.2.1.{=il4AA}** Service {=il4AA}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il4AA++}

{END-IF}

{END-FOR item}

{IF il4AA == 1}  
{="Reserved"}

{END-IF}

**4.3.2.2** Subtask 2 Help Desk Services (Unclassified - IL4):

{FOR item IN filteredCSP.il4}

{IF $item.serviceType === "HELP\_DESK\_SERVICES"}

**4.3.2.2.{=il4HDS}** Service {=il4HDS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il4HDS++}

{END-IF}

{END-FOR item}

{IF il4HDS == 1}  
{="Reserved"}

{END-IF}

**4.3.2.3** Subtask 3 Training (Unclassified - IL4):

{FOR item IN filteredCSP.il4}

{IF $item.serviceType === "TRAINING"}

**4.3.2.3.{=il4Training}** Training {=il4Training}

* What training do you require: {$item.trainingRequirementTitle}
* What format do you require? {$item.trainingFormat}

{IF $item.trainingLocation != null}

* + Location: {$item.trainingLocation}

{END-IF}

* What type of facility will your training be held at? {$item.trainingFacilityType}
* How many personnel require training: {$item.personnelRequiringTraining}
* Statement of objectives for anticipated need, to include the purpose of the expected training:{$item.anticipatedNeedOrUsage}

{EXEC il4Training++}

{END-IF}

{END-FOR item}

{IF il4Training == 1}

{="Reserved"}

{END-IF}

**4.3.2.4** Subtask 4 Documentation Support (Unclassified - IL4):

{FOR item IN filteredCSP.il4}

{IF $item.serviceType === "DOCUMENTATION\_SUPPORT"}

**4.3.2.4.{=il4DS}** Service {=il4DS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il4DS++}

{END-IF}

{END-FOR item}

{IF il4DS == 1}  
{="Reserved"}

{END-IF}

**4.3.2.5** Subtask 5 General Cloud Support (not covered in Subtasks 4.3.2.1 - 4.3.2.4) (Unclassified - IL4):

{FOR item IN filteredCSP.il4}

{IF $item.serviceType === "GENERAL\_CLOUD\_SUPPORT"}

**4.3.2.5.{=il4GCS}** Service {=il4GCS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il4GCS++}

{END-IF}

{END-FOR item}

{IF il4GCS == 1}  
{="Reserved"}

{END-IF}

{END-IF}

{IF filteredCSP.il4.length == 0}  
{="Reserved"}

{END-IF}

**4.3.3** Unclassified - IL5:

{EXEC il5AA = 1}

{EXEC il5HDS = 1}

{EXEC il5Training = 1}

{EXEC il5DS = 1}

{EXEC il5GCS = 1}

{IF filteredCSP.il5.length > 0}

{FOR item IN filteredCSP.il5}

{IF $item.serviceType === "Portability Plan"}

Do you require a Portability Plan IAW the basic JWCC Contract? {="Yes"}

{END-IF}

{END-FOR item}

**4.3.3.1** Subtask 1 Advisory and assistance (Unclassified - IL5):

{FOR item IN filteredCSP.il5}

{IF $item.serviceType === "ADVISORY"}

**4.3.2.1.{=il5AA}** Service {=il5AA}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il5AA++}

{END-IF}

{END-FOR item}

{IF il5AA == 1}  
{="Reserved"}

{END-IF}

**4.3.3.2** Subtask 2 Help Desk Services (Unclassified - IL5):

{FOR item IN filteredCSP.il5}

{IF $item.serviceType === "HELP\_DESK\_SERVICES"}

**4.3.2.2.{=il5HDS}** Service {=il5HDS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il5HDS++}

{END-IF}

{END-FOR item}

{IF il5HDS == 1}  
{="Reserved"}

{END-IF}

**4.3.3.3** Subtask 3 Training (Unclassified - IL5):

{FOR item IN filteredCSP.il5}

{IF $item.serviceType === "TRAINING"}

**4.3.2.3.{=il5Training}** Training {=il5Training}

* What training do you require: {$item.trainingRequirementTitle}
* What format do you require? {$item.trainingFormat}

{IF $item.trainingLocation != null}

* + Location: {$item.trainingLocation}

{END-IF}

* What type of facility will your training be held at? {$item.trainingFacilityType}
* How many personnel require training: {$item.personnelRequiringTraining}
* Statement of objectives for anticipated need, to include the purpose of the expected training:{$item.anticipatedNeedOrUsage}

{EXEC il5Training++}

{END-IF}

{END-FOR item}

{IF il5Training == 1}

{="Reserved"}

{END-IF}

**4.3.3.4** Subtask 4 Documentation Support (Unclassified - IL5):

{FOR item IN filteredCSP.il5}

{IF $item.serviceType === "DOCUMENTATION\_SUPPORT"}

**4.3.2.4.{=il5DS}** Service {=il5DS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il5DS++}

{END-IF}

{END-FOR item}

{IF il5DS == 1}  
{="Reserved"}

{END-IF}

**4.3.3.5** Subtask 5 General Cloud Support (not covered in Subtasks 4.3.2.1 - 4.3.2.4) (Unclassified - IL5):

{FOR item IN filteredCSP.il5}

{IF $item.serviceType === "GENERAL\_CLOUD\_SUPPORT"}

**4.3.2.5.{=il5GCS}** Service {=il5GCS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il5GCS++}

{END-IF}

{END-FOR item}

{IF il5GCS == 1}  
{="Reserved"}

{END-IF}

{END-IF}

{IF filteredCSP.il5.length == 0}  
{="Reserved"}

{END-IF}

**4.3.4** Secret - IL6:

{EXEC il6AA = 1}

{EXEC il6HDS = 1}

{EXEC il6Training = 1}

{EXEC il6DS = 1}

{EXEC il6GCS = 1}

{IF filteredCSP.il6.length > 0}

{FOR item IN filteredCSP.il6}

{IF $item.serviceType === "Portability Plan"}

Do you require a Portability Plan IAW the basic JWCC Contract? {="Yes"}

{END-IF}

{END-FOR item}

**4.3.4.1** Subtask 1 Advisory and assistance (Secret - IL6):

{FOR item IN filteredCSP.il6}

{IF $item.serviceType === "ADVISORY"}

**4.3.4.1.{=il6AA}** Service {=il6AA}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il6AA++}

{END-IF}

{END-FOR item}

{IF il6AA == 1}  
{="Reserved"}

{END-IF}

**4.3.4.2** Subtask 2 Help Desk Services (Secret - IL6):

{FOR item IN filteredCSP.il6}

{IF $item.serviceType === "HELP\_DESK\_SERVICES"}

**4.3.4.2.{=il6HDS}** Service {=il6HDS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il6HDS++}

{END-IF}

{END-FOR item}

{IF il6HDS == 1}  
{="Reserved"}

{END-IF}

**4.3.4.3** Subtask 3 Training (Secret - IL6):

{FOR item IN filteredCSP.il6}

{IF $item.serviceType === "TRAINING"}

**4.3.4.3.{=il6Training}** Training {=il6Training}

* What training do you require: {$item.trainingRequirementTitle}
* What format do you require? {$item.trainingFormat}

{IF $item.trainingLocation != null}

* + Location: {$item.trainingLocation}

{END-IF}

* What type of facility will your training be held at? {$item.trainingFacilityType}
* How many personnel require training: {$item.personnelRequiringTraining}
* Statement of objectives for anticipated need, to include the purpose of the expected training:{$item.anticipatedNeedOrUsage}

{EXEC il6Training++}

{END-IF}

{END-FOR item}

{IF il6Training == 1}

{="Reserved"}

{END-IF}

**4.3.4.4** Subtask 4 Documentation Support (Secret - IL6):

{FOR item IN filteredCSP.il6}

{IF $item.serviceType === "DOCUMENTATION\_SUPPORT"}

**4.3.4.4.{=il6DS}** Service {=il6DS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il6DS++}

{END-IF}

{END-FOR item}

{IF il6DS == 1}  
{="Reserved"}

{END-IF}

**4.3.4.5** Subtask 5 General Cloud Support (not covered in Subtasks 4.3.4.1 - 4.3.4.4) (Secret - IL6):

{FOR item IN filteredCSP.il6}

{IF $item.serviceType === "GENERAL\_CLOUD\_SUPPORT"}

**4.3.4.5.{=il6GCS}** Service {=il6GCS}

* Will these services require CSP personnel to access on-site locations? {IF $item.personnelOnsiteAccess == true}{="Yes"}{END-IF}{IF $item.personnelOnsiteAccess == false}{="No"}{END-IF}
* Statement of objectives for anticipated need/usage, to include the desired outcome (purpose and usage) of the expected services: {INS $item.anticipatedNeedOrUsage}

{EXEC il6GCS++}

{END-IF}

{END-FOR item}

{IF il6GCS == 1}  
{="Reserved"}

{END-IF}

{END-IF}

{IF filteredCSP.il6.length == 0}  
{="Reserved"}

{END-IF}

**4.3.5** TS: Reserved

**5.** Contract Data Requirements Lists (CDRL). *The below CDRLs are included in the Joint Warfighting Cloud Capability (JWCC) Contract.*

{EXEC timeAndMaterials = contractType.timeAndMaterials}

{EXEC firmFixed = contractType.firmFixedPrice}

{EXEC cdrlTable = dataRequirementsList(cloudSupportPackages,check4IL2,check4IL4,check4IL5,check4IL6,il2EdgeCount,il4EdgeCount,il5EdgeCount,il6EdgeCount,contractType)}

|  |  |  |  |
| --- | --- | --- | --- |
| **DoW Task Number** | **JWCC Contract CLIN Number** | **CDRL** | **CDRL Name** |
| {FOR data IN cdrlTable} |  |  |  |
| {$data.dowTaskNumbers} | {$data.clinNumbers} | {$data.cdrl.code} | {$data.cdrl.name} |
| {END-FOR data} |  |  |  |

{FOR data IN cdrlTable}

{IF $data.cdrl.name === "System Administrator Training Materials"}

{="*\*CDRLs A004 AND A005 are required for each individual training session*"}

{END-IF}

{IF $data.cdrl.name === "Portability Plan"}

{="*\*\* CDRL A006 requires both XaaS and advisory and assistance services*"}

{END-IF}

{IF $data.cdrl.name === "TE Device Specifications"}

{="*\*\*\* CDRL A017 is required only for the initial TE delivery and redelivery if a TE specification changes*"}

{END-IF}

{END-FOR data}

**6.** Performance Standards. The performance standards are established in the JWCC IDIQ Contract.

**7.** Period of Performance.

{popPeriods}

{ALIAS forOptions FOR option IN periodOfPerformance.optionPeriods}

|  |  |  |  |
| --- | --- | --- | --- |
| **Task/SubTask** | **Base** | {\*forOptions} OP {$option.optionOrder} | {END-FOR option} |
| {=pop.entireDurationTasks.join(`,`)} | {FOR period IN pop.popPeriods}  {pop.popPeriods.includes($period) ? `X` : ``} | {END-FOR period} |  |
| {FOR sP IN pop.taskNumberGroups} |  |  |  |
| {$sP.dowTaskNumbers.join(`,`)} | {FOR period IN $sP.taskPeriods}  {pop.popPeriods.includes($period) ? `X` : ``} | {END-FOR period} |  |
| {END-FOR sP} |  |  |  |

**8.** Security Requirements. The security requirements and compliance mandates are established in the JWCC IDIQ Contract DD254.

{IF sr.isSecurityNeeded === false}

Reserved

{END-IF}

{IF sr.isSecurityNeeded}

|  |  |  |  |
| --- | --- | --- | --- |
| **Task / Subtask** | **Clearance Level** | **Level of Classified Access** | **Justification for Access to Classified** |
| {IF sr.currentEnvSecret.length >= 1} |  |  |  |
| Provide *SECRET* Cloud Services and Support in performance of task 4.1 | *SECRET* | {sr.currentEnvSecret.join(`, `)} | Access is required in the offering and support of *SECRET* cloud services and support to the JWCC Contract. Access to SCI caveats and information, and SAPs is required. |
| {END-IF} |  |  |  |
| {FOR service IN sr.xaasSecret} |  |  |  |
| Provide SECRET Cloud Services and Support in performance of task {$service.serviceNumber} | SECRET | {$service.access.join(`, `)} | Access is required in the offering and support of SECRET cloud services and support to the JWCC Contract. |
| {END-FOR service} |  |  |  |
| {IF sr.cloudSupportSecret} |  |  |  |
| Cloud Training in performance of task *4.3.4.3* | *SECRET* | {sr.cloudSupportSecret.join(`, `)} | Access is required in support of cloud training requirements across the contract. |
| {END-IF} |  |  |  |

{END-IF}

**9.** Government Furnished Property (GFP)/Government-Furnished Equipment (GFE)/Government-Furnished Information (GFI).

All compliance requirements for managing GFP, GFE, and GFI are established in the JWCC IDIQ Contract.

**10.** Other Pertinent Information or Special Considerations.

1. Identification of Potential Conflicts of Interest (COI). {contractConsiderations.potentialConflictOfInterest ? `Yes.` : `No.`}

{IF contractConsiderations.potentialConflictOfInterest}

{contractConsiderations.conflictOfInterestExplanation}

{END-IF}

1. Packaging, Packing, and Shipping Instructions.

* When transferring physical media between locations, the contractor shall provide a certified courier or other method of maintaining a secure chain of custody over the physical media being moved to and from a defined, secured off-site storage location. The contractor shall provide flexibility in courier pick-up and delivery time.
* {contractConsiderations.packagingShippingOther ? contractConsiderations.packagingShippingOtherExplanation : `None Apply`}

1. Supply Chain Risk Management (SCRM). All applicable SCRM requirements are listed in the JWCC IDIQ Contract.
2. Training. Contractor employees may be required to take periodic mandatory training courses provided by a Federal Government organization, such as records management training and other training required by statute, regulation, DoD, or local (e.g. DISA) policy. No other training of contractor personnel shall be provided by the Government unless authorized by the Contracting Officer.
3. Personally Identifiable Information (PII). Does this requirement provide for the design, development, or operation of a system of records on individuals (in whole or in part)?

{contractConsiderations.piiPresent ? `Yes` : `No`}

{IF contractConsiderations.piiPresent}

* System of records: {contractConsiderations.systemOfRecordName}

{END-IF}

1. Travel. Number of trips: { =contractConsiderations.travel.length}

|  |  |  |  |
| --- | --- | --- | --- |
| Number of trips | Location | Duration | Number of Travelers |
| {FOR trip IN contractConsiderations.travel} |  |  |  |
| {$trip.numberOfTrips} | {$trip.tripLocation} | {$trip.durationInDays} days | {$trip.numberOfTravelers} travelers |
| {END-FOR trip} |  |  |  |

**11.** Section 508 Accessibility Standards for Cloud Computing. All applicable Section 508 requirements are listed in the JWCC IDIQ Contract.

{sensitiveInformation.section508Sufficient ? ` All applicable Section 508 requirements are listed in the JWCC IDIQ Contract.` : `No. ` + sensitiveInformation.accessibilityReqs508}