



**Problem Resolution Report**  

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**CoSD Contract No. 554833**  
**Desktop - Engineering Workstation Gold**  
**Resource Unit**  
**ES/CoSD 068**



**Date:** February 10, 2020

**Summary:**

In accordance with the provisions of the IT and Telecommunications Service Agreement by and between the County of San Diego ("County") and Enterprise Services LLC, a Perspecta company ("ES" or "Contractor" and hereinafter collectively referred to as "the Parties") with Effective Date November 15, 2016 ("the Agreement"), agreement is reached on the Effective Date shown below.

**Issue or Problem:**

The Parties wish to add a Desktop - Engineering Workstation Gold Resource Unit (RU) to the Agreement to provide an additional professional desktop alternative.

**Resolution:**

1. The Desktop - Engineering Workstation Gold RU is established at a monthly RU Fee of \$295.72.
2. The Desktop - Engineering Workstation Gold RU is added to Section 4.5.3 of Schedule 4.3 of the Agreement as follows:
  - 4.5.3.14 Desktop - Engineering Workstation Gold
    - 4.5.3.14. All Desktop - Engineering Workstation Gold shall be refreshed within a 4-year cycle from initial installation.
    - 4.5.3.14 All Desktop - Engineering Workstation Gold shall be refreshed no later than 2 months after the expiration of the 4-year cycle.
3. The initial standards for the Desktop - Engineering Workstation Gold will be the HP Z6 G4 Xeon Gold 5222 device, as shown on Attachment 1 to this PRR, specifications of which will be added to Report 65 – Personal Computing Services Standards - Hardware Standards. Any updates to or modifications of the initial standards will be documented and approved through Report 65 – Personal Computing Services Standards - Hardware Standards.
4. The Desktop - Engineering Workstation Gold will be loaded with an approved County standard image per the requirements of Report 65 - Personal Computing Services - Core Software Standards. The Standard Desktop - Engineering Workstation Gold will be provisioned with hard disk encryption services.
5. The Desktop - Engineering Workstation Gold RU Fee is added to Schedule 16.1, Exhibit 16.1-1 and Exhibit 16.1-2 as per Attachment 2 and Attachment 3 to this PRR.



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The resolution of the issue or Problem as described in this Problem Resolution Report shall govern the Parties' actions under the Agreement until a formal amendment of the Agreement is implemented in accordance with the terms of the Agreement, at which time this Problem Resolution Report shall be deemed superseded and shall be null and void.

All other terms and conditions of the Agreement remain unchanged and the Parties agree that such terms and conditions set forth in the Agreement shall continue to apply. Unless otherwise indicated, the terms used herein shall have the same meaning as those given in the Agreement.

**IN WITNESS WHEREOF**, The Parties hereto, intending to be legally bound, have executed by their authorized representatives and delivered this Problem Resolution Report as of the date first written above.

**COUNTY OF SAN DIEGO**

**ENTERPRISE SERVICES, LLC**

By: 

By: 

Name: John M. Pellegrino

Name: Max Pinna

Title: Director, Department of Purchasing and Contracting

Title: Contracts Manager

Date: 3/4/2020

Date: February 10, 2020

PRR 068 – Engineering Workstation Gold Resource Unit – Attachment 1

<b>Components</b>	<b>HP Z6 G4 WKS (Gold 5222) Single CPU</b>
<b>Processor</b>	Intel Xeon Gold 5222 3.8GHz, 3.9GHz Turbo, 4C, 10.4GT/s 2UPI, 16.5MB Cache (1 CPU)
<b>Memory</b>	64GB (4x16GB) DDR4 2933 DIMM ECC REG
<b>Video</b>	NVIDIA QUADRO P4000 (8 GB GDDR5, 4 x Displayport 1.4)
<b>Monitor</b>	S270n 27-inch 4k Micro Edge (x2 for dual monitor support)
<b>Disk</b>	OS Disk: 512GB SATA 1st SSD Data Disk: 1TB 7200 RPM SATA 2nd HDD
<b>Communications</b>	Integrated Intel I219-LM PCIe GbE and integrated Intel X722 PCIe GbE
<b>Ports</b>	<p>Front:</p> <ul style="list-style-type: none"> <li>1 headset connector</li> <li>4 USB 3.1 (1 charging)</li> </ul> <p>Rear:</p> <ul style="list-style-type: none"> <li>6 USB 3.1 Gen 1</li> <li>2 RJ-45 (1 GbE)</li> <li>1 audio-in</li> <li>1 audio-out</li> <li>1 PS/2 mouse port</li> <li>1 PS/2 keyboard port; 1 serial</li> </ul> <p>Expansion Slots:</p> <p>3 PCIe x4; 1 PCIe x8; 2 PCIe x16; 2 M.2 PCIe x4 (Slot 1: CPU with open-ended connector. Slots 3 and 6: PCH with open-ended connector. Slot 4: CPU with open-ended connector (slot converts to x4 electrical when SSD is installed in 2nd M.2 slot). M.2 Slots 1 and 2: CPU up to 80 mm storage devices.)</p>
<b>CD/DVD</b>	9.5 DVDWR 1st ODD
<b>Webcam</b>	N/A
<b>Battery</b>	N/A
<b>Additional Requirements</b>	TPM 2.0
<b>Comments</b>	

### Exhibit 16.1-1 - Resource Unit Price Summary

PRR 068 - DESKTOP - ENGINEERING WORKSTATION GOLD RESOURCE UNIT - ATTACHMENT 1  
 EXHIBIT 16.1-1 - RESOURCE UNIT SUMMARY

Resource Unit (RU)	*Reference	Unit of Measure	Pricing Method	Trade	Measurement Method	Baseline Values (per Contract Year)	RU Fee (90-110% band)	Bandwidth Annual Fee	RU Fee (70% to 90% band)	RU Fee (90% to 70% band)	RU Fee (110% to 130% band)	RU Fee (130% to 150% band)	RU Fee (150% to 180% band)	RU Fee (180% to 200% band)	Depreciation Period (in Years)
Desktop Gold Engineering Workstation	Schedule 4 J Section 4.2.2	Quantity	Fixed Monthly Fee Per Unit	DI	Specify	44	\$ 297.72	\$ 11,011.68	\$ 324.81	\$ 318.76	\$ 338.01	\$ 382.44	\$ 377.27	\$ 277.20	4

PRR 068 - DESKTOP - ENGINEERING WORKSTATION GOLD RESOURCE UNIT - ATTACHMENT 3  
 EXHIBIT 16.1-2 - RESOURCE UNIT PRICE DECOMPOSITION

Desktop - Mini Workstation	Schedule 4.3 - Section 4.3.3	Quantity	Fixed Monthly Per Unit		\$ 295.72	
				Hardware	\$ 205.48	Represents the costs of acquiring the asset and support for Refresh tasks. The component fee is the monthly lease payments for a leasing term of 4 years.
				Hardware (Refresh Labor)	\$ 18.92	Represents the labor to install and refresh hardware amortized over the estimated asset life.
				Hardware Maintenance	\$ 20.24	Represents break-fix services, primarily labor and parts.
				Software License	\$ 15.13	Represents the cost of software license upgrades/refresh. Based on the Refresh Cycle of 4 years, the aggregated cost is apportioned over the assumed baseline volumes.
				Software Maintenance	\$ 27.74	Represents costs associated with the labor and resources for Software Maintenance support.
				IMAR's	\$ 7.64	Represents labor costs for IMAR activities.
				Desktop Application Directory Maintenance	\$ 0.57	Represents the labor associated with maintaining the Desktop Application Directory.