

Contract No. ▶	8423/2018/234
Project ID / Sector ▶	Human Rights National Implementation Division, Human Rights Policy & Cooperation Department, Council of Europe Office in Ukraine
Council of Europe contact point ▶	

ACT OF ENGAGEMENT

(Restricted consultation procedure / One-off contract)

ANNEX 1

Technical specifications of IT equipment and software

I. IT equipment for QDCP		
	Description of unit:	Number of units:
1. Virtualization server	System unit: Rackmount 2-3U, 2xPSU, Intel C612, 2xLGA2011-3 (up to 105W), up to 512GB (8 slots), DDR4 2133MHz ECC Registered, 8x2.5" SAS/SATA hot-swap drive bay, 8 ports SAS 12Gb/s LSI 3108 2GB with CachVault (RAID levels: 0,1,5,6,10,50,60), 2x1GbE (Intel i210, RJ45), IP-KVM, Video, 1xPCI-E (x8), Black	1
	CPU: Xeon E5-2620 v4 8x2.1GHz, QPI 2x6.4GT/sec, 4xDDR4-2133MHz, 20MB Cache, HT, Turbo Boost^3.0GHz, Broadwell, 14nm, 85W, LGA2011-3, SPEC_int_rate: 335, SPEC_fp_rate: 292	2
	RAM: 16GB DDR4-2400 ECC Registered	4
	RAID: LSI 3108 RAID 8 ports SAS 12Gb/s, LSI 3108, 2GB cache, optional CacheVault (LSICVM02-8G), RAID levels: 0,1,5,6,10,50,60, PCI-E x8 3.0, 2xSFF-8643 int, 2 cables included	1
	SSD: 120GB Enterprise SSD, SATA 6Gb/s, 3.6 DWPD read/write: 500/460 MB/s, 97,000/12,000 IOps, Full Disk Writes Per Day: 3.6	1
	HDD: 1000GB 3.5" SATA 7200rpm Enterprise , MTBF 1,200,000 hours, half duplex, single port, no T10 PI (Protection Information)	6
	Supported Operating Systems: Canonical® Ubuntu® LTS Citrix® XenServer® Microsoft Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi	-
2. 19" rack cabinet 42U	Height (U) - 42U Width (mm) - 600 Depth (mm) - 1000 Mounting structure - 19 " Protection class - IP20 Permissible load - 600 k	1
3. UPS	Output: Output power capacity 2.7 KWatts / 3.0 kVA Max Configurable Power (Watts) 2.7 KWatts / 3.0 kVA Nominal Output Voltage 230V Output Voltage Note Configurable for 220 : 230 or 240 nominal output voltage Output Frequency (sync to mains) 47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal Other Output Voltages 220, 240 Topology Line Interactive Waveform type Sine wave Input: Nominal Input Voltage 230V	1

	Input frequency 50/60 Hz +/- 3 Hz (auto sensing) Input voltage range for main operations 160 - 286V Input voltage adjustable range for mains operation 151 - 302V Number of Power Cords - 1 Other Input Voltages 220, 240	
4. Cisco Switch	WS-C3650-24TS, 4 x Gigabit Ethernet with Small Form-Factor Pluggable (SFP)	1

II. IT equipment and software for NAPU		
	Description of unit:	Number of units:
5. Virtualization server	System unit: Rackmount 1U, 2xPSU, Intel C612, 2xLGA2011-3 (up to 105W), up to 512GB (8 slots), DDR4 2133MHz ECC Registered, 8x2.5" SAS/SATA hot-swap drive bay, 8 ports SAS 12Gb/s LSI 3108 2GB with CachVault (RAID levels: 0,1,5,6,10,50,60), 2x1GbE (Intel i210, RJ45), IP-KVM, Video, 1xPCI-E (x8), Black	1
	CPU: Xeon E5-2620 v4 8x2.1GHz, QPI 2x6.4GT/sec, 4xDDR4-2133MHz, 20MB Cache, HT, Turbo Boost^3.0GHz, Broadwell, 14nm, 85W, LGA2011-3, SPEC_int_rate: 335, SPEC_fp_rate: 292	1
	RAM: 16GB DDR4-2400 ECC Registered	4
	RAID: LSI 3108 RAID 8 ports SAS 12Gb/s, LSI 3108, 2GB cache, optional CacheVault (LSICVM02-8G), RAID levels: 0,1,5,6,10,50,60, PCI-E x8 3.0, 2xSFF-8643 int, 2 cables included	1
	SSD: 512GB Enterprise SSD, SATA 6Gb/s	8
	Supported Operating Systems: Canonical® Ubuntu® LTS Citrix® XenServer® Microsoft Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi	1
6. Data storage server	System unit: Rackmount 2U, 2xPSU, Intel C612, 2xLGA2011-3 (up to 105W), up to 512GB (8 slots), DDR4 2133MHz ECC Registered, 8x2.5" SAS/SATA hot-swap drive bay, 8 ports SAS 12Gb/s LSI 3108 2GB with CachVault (RAID levels: 0,1,5,6,10,50,60), 2x1GbE (Intel i210, RJ45), IP-KVM, Video, 1xPCI-E (x8), Black	1
	CPU: Xeon E5-2620 v4 8x2.1GHz, QPI 2x6.4GT/sec, 4xDDR4-2133MHz, 20MB Cache, HT, Turbo Boost^3.0GHz, Broadwell, 14nm, 85W, LGA2011-3, SPEC_int_rate: 335, SPEC_fp_rate: 292	1
	RAM: 16GB DDR4-2400 ECC Registered	1
	RAID: LSI 3108 RAID 8 ports SAS 12Gb/s, LSI 3108, 2GB cache, optional CacheVault (LSICVM02-8G), RAID levels: 0,1,5,6,10,50,60, PCI-E x8 3.0, 2xSFF-8643 int, 2 cables included	1
	HDD: 4000GB 3.5" SATA 7200rpm Enterprise, MTBF 1,200,000 hours, half duplex, single port, no T10 PI (Protection Information)	4
	Supported Operating Systems: Canonical® Ubuntu® LTS Citrix® XenServer® Microsoft Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi	-
7. Software	VMware vSphere 6 Essentials SnS is required. VMware vSphere Essentials includes vCenter Server Essentials and ESXi for 3 hosts, plus the following features: vCenter agents, Update Manager, Data Protection and High Availability. vSphere Essentials Plus is limited for use on up to 3 hosts and on servers with up to two processors only. The server hosts must be managed by the vCenter Server Essentials edition that is provided with this bundle, and that same vCenter Server Essentials edition cannot be used to manage other server hosts not included with this edition.	1