

FORM A: PROPOSAL
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES

2. Bidder

Name of Bidder

Usual Business Name of Bidder as it appears on Invoice (if different from above)

Street

(Mailing address if different)

City

Province

Postal Code

Email Address of Bidder

Facsimile Number

Street or P.O. Box

City

Province

Postal Code

GST Registration Number (if applicable)

(Choose one)

The Bidder is:

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Proposal.

Contact Person

Title

Telephone Number

Facsimile Number

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D4.

5. Offer The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.
6. Execution of Contract The Bidder agrees to execute and return the Contract no later than seven (7) Calendar Days after receipt of the Contract, in the manner specified in C4.
7. Commencement of the Work The Bidder agrees that no Work shall commence until he/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.
8. Contract The Bidder agrees that the Request for Proposal in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Proposal.
9. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:
- | No. | Dated |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
10. Time This offer shall be open for acceptance, binding and irrevocable for a period of ninety (90) Calendar Days following the Submission Deadline.
11. Signatures The Bidder or the Bidder's authorized official or officials have signed this _____ day of _____, 20_____.

Signature of Bidder or
Bidder's Authorized Official or Officials

(Print here name and official capacity of individual whose signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
(See B9)

SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF	SKU	UNIT	APPROX. QUANTITY (3 YEAR)	ALTERNATIVE 1 AWARD AS A WHOLE UNIT PRICE	ALTERNATIVE 2 AWARD BY SECTION UNIT PRICE	
SECTION A: Common Office Equipment								
1.	Basic Enterprise Desktop	Form C - A.1 & E1.5		Each	1,000			
2.	Standard Enterprise Desktop	Form C - A.2 & E1.5		Each	1,670			
3.	Advanced Enterprise Desktop	Form C - A.3 & E1.5		Each	670			
4.	Standard Laptop / Notebook	Form C - A.4 & E1.6		Each	440			
5.	Advanced Laptop / Notebook	Form C - A.5 & E1.6		Each	190			
6.	Standard Windows Tablet	Form C - A.6 & E1.7		Each	300			
7.	Advanced Windows Tablet	Form C - A.7 & E1.7		Each	80			
8.	Basic Monitor	Form C - A.8 & E1.8		Each	750			
9.	Standard Monitor	Form C - A.9 & E1.8		Each	1,250			
10.	Advanced Monitor	Form C - A.10 & E1.8		Each	500			
11.	Kingston Encrypted USB drive 16GB	E1.9(b)		Each	430			
12.	Other Equipment and Desktop / Laptop Accessories	E1.9	Framework Pricing % Discount :					
SECTION B: Specialty Office Equipment								
13.	Standard Thin Client	Form C - B.1 & E1.10		Each	130			
14.	Advanced Thin Client	Form C - B.2 & E1.10		Each	30			
15.	Fanless Nano PC	Form C - B.3 & E1.11		Each	50			
16.	Advanced Nano PC	Form C - B.4 & E1.11		Each	30			
SECTION C: Specialty Field Equipment								
17.	Semi-Ruggedized Laptop	Form C - C.1 & E1.12		Each	15			
18.	Standard Ruggedized Laptop	Form C - C.2 & E1.12		Each	250			
19.	Advanced Ruggedized Laptop	Form C - C.3 & E1.12		Each	50			
20.	Standard Ruggedized Tablet	Form C - C.4 & E1.13		Each	40			

FORM B: PRICES
(See B9)

SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF	SKU	UNIT	APPROX. QUANTITY (3 YEAR)	ALTERNATIVE 1 AWARD AS A WHOLE UNIT PRICE	ALTERNATIVE 2 AWARD BY SECTION UNIT PRICE
21.	Advanced Ruggedized Tablet	Form C - C.5 & E1.13		Each	10		
22.	Ruggedized Printer	Form C - C.6 & E1.14		Each	15		
23.	Ruggedized Printer for Android	Form C - C.7 & E1.14		Each	15		

SECTION D: Uninterrupted Power Supply

24.	Basic UPS	Form C - D.1 & E1.15		Each	80		
25.	Standard UPS	Form C - D.2 & E1.15		Each	50		

SECTION E: Endpoint Management

26.	Endpoint Management System	Form C - E.1 & E1.16		Each	5,000 endpoints		
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PRICE DETERMINATION MECHANISM

IF MORE SPACE IS REQUIRED ATTACH INFORMATION SEPARATELY

Name of Bidder

FORM C(R1): TECHNICAL SPECIFICATIONS		
(See B10)		
SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.1 - Basic Enterprise Desktop		
Brand (HP, Dell, or Lenovo):		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>PC Case</u> : Small Form Factor		
<u>CPU</u> : Intel Core i3 or equivalent		
<u>RAM Memory</u> : DDR3, 4 GB in 2*2GB		
<u>Graphics</u> : integrated video, VGA D-sub or DVI-D Output		
<u>Network Interface</u> :10/100/1000 GbE		
<u>Hard drive</u> : 120GB SSD		
<u>Bays</u> : 1 unused 5.25 Expansion Bays		
<u>Ports</u> : 5 USB 2.0 Ports, 1 USB 3.0, Audio In/Out, Headphone and Mic		
<u>Mouse</u> : Optical wheel, USB Connection		
<u>Keyboard</u> : Standard US English, USB Connection		
<u>Audio</u> : Integrated		
<u>Qualifications</u> : <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : 3-year onsite		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.2 - Standard Enterprise Desktop		
Brand (HP, Dell, or Lenovo):		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System:</u> Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>PC Case:</u> Small Form Factor		
<u>CPU :</u> Intel Core i5 or equivalent		
<u>RAM Memory:</u> DDR3, 8 GB in 2*4GB		
<u>Graphics:</u> Support dual displays. onboard Integrated video, VGA D-Sub or DVI-D output, 512 MB Shared video ram, Must be Windows compliant		
<u>Network Interface:</u> 10/100/1000 GbE		
<u>Hard drive:</u> 120GB SSD		
<u>Bays:</u> 1 unused 5.25 Expansion Bays 1 unused 3.5 expansion bay		
<u>Ports:</u> 6 USB 2.0, 1 USB 3.0, display port, Audio In/Out, Headphone and Mic		
<u>Mouse:</u> Optical wheel, USB Connection		
<u>Keyboard:</u> Standard US English, USB Connection		
<u>Audio:</u> Integrated		
<u>Qualifications:</u> <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty:</u> 3-year onsite		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.3 - Advanced Enterprise Desktop		
Brand (HP, Dell, or Lenovo):		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>PC Case</u> : Mini Tower		
<u>CPU</u> : Intel Core i7 or equivalent		
<u>RAM Memory</u> : DDR3, 16 GB in 2*8GB		
<u>Graphics</u> : Support dual displays. VGA D-SUB+DVI-D or DVI-D+DVI-D, PCI-E addon card, 1024 MB dedicated Video RAM, AMD Firepro 4900 or equivalent. Must be Windows compliant		
<u>Network Interface</u> :10/100/1000 GbE		
<u>Hard drive</u> : 240 GB SSD		
<u>Bays</u> : 2 unused 5.25 Expansion Bays 1 unused 3.5 expansion bay		
<u>Ports</u> : 6 USB 2.0 Ports /2 USB 3.0 <u>Audio In/Out</u> , Headphone and Mic		
<u>Mouse</u> : Optical wheel, USB Connection		
<u>Keyboard</u> : Standard US English, USB Connection		
<u>Audio</u> : Integrated		
<u>Qualifications</u> : <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : 3-year onsite		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.4 - Standard Laptop / Notebook		
Brand: HP, Dell, Lenovo, Toshiba, Fujitsu, Microsoft		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System:</u> Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>Screen:</u> 15.6" resolution of 1366 X 768		
<u>CPU:</u> Intel Core i5 or equivalent		
<u>RAM Memory:</u> DDR3, 8 GB		
<u>Graphics:</u> HD Graphics		
<u>Hard drive:</u> 120 SSD		
<u>Network Interface:</u> 10/100/1000 GbE		
<u>Wireless:</u> 802.11 a/b/g/n/ac and Bluetooth		
<u>Expansion Slots:</u> 1 media card reader		
<u>Ports and accessories:</u> USB 3.0 1 USB 3.0 charging 1 DisplayPort or HDMI 1 VGA 1 combo stereo headphone/mic jack 1 integrated camera 1 integrated microphone 1 AC power 1 RJ-45 1 docking station		
<u>Battery:</u> 6 hours with medium usage		
<u>Weight:</u> as light as possible. Bidder to specify weight		
<u>Qualifications:</u> <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty:</u> 3-year onsite		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.5 - Advanced Laptop / Notebook		
Brand: HP, Dell, Lenovo, Toshiba, Fujitsu, Microsoft		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System:</u> Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>Screen:</u> 15.6" resolution 1600 x 900		
<u>CPU:</u> Intel Core i7 or equivalent		
<u>RAM Memory:</u> DDR3, 16 GB		
<u>Graphics:</u> Intel HD Graphics		
<u>Hard drive:</u> 120 SSD		
<u>Network Interface:</u> 10/100/1000 GbE		
<u>Wireless:</u> 802.11 a/b/g/n/ac and Bluetooth		
<u>Expansion Slots:</u> 1 multi format SD media card reader		
<u>Ports and accessories:</u> USB 3.0 1 USB 3.0 charging 1 Display Port or HDMI 1RJ 45 1 combo stereo headphone/mic jack 1 integrated camera 1 integrated microphone 1 AC power 1 docking station		
<u>Battery:</u> 6 hours with medium usage		
<u>Weight:</u> as light as possible. Bidder to specify weight		
<u>Qualifications:</u> <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty:</u> 3-year onsite		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.6 - Standard Windows Tablet		
Brand		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 downgrade to 8.1		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>CPU</u> : Intel Core i5 Processor or equivalent		
<u>Memory</u> : 4 GB		
<u>Graphics</u> : Intel HD Graphics or equivalent		
<u>Display</u> : 12 to 13.5" touchscreen with 1920 x 1080 or higher resolution		
<u>Storage</u> : 120 GB		
<u>Network Interface</u> : Wi-Fi (802.11a/b/g/n/ac)		
<u>Ports</u> : Full-size USB 3.0, microSDXC card slot, Headset jack		
<u>Keyboard</u> : Detachable keyboard		
<u>Misc</u> : Fanless, Bluetooth		
<u>Qualifications</u> : <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : 3-year onsite		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.7 - Advanced Windows Tablet		
Brand		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 downgrade to 8.1		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>CPU</u> : Intel Core i7 Processor or equivalent		
<u>Memory</u> : 8 GB		
<u>Graphics</u> : Intel HD Graphics or equivalent		
<u>Storage</u> : 240 GB		
<u>Network Interface</u> : Wi-Fi (802.11a/b/g/n)		
<u>Ports</u> : Full-size USB 3.0, microSDXC card slot, Headset jack, Mini DisplayPort, Cover port		
<u>Keyboard</u> : Detachable keyboard		
<u>Misc</u> : Fanless, Bluetooth		
<u>Qualifications</u> : <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.8 - Basic Monitor		
Brand		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
Panel Size/Type: 18.9" or 19" IPS, LED Backlit, 4:3 ratio or 5:4 ratio		
Native Resolution: 1280x1024 or equivalent		
Contrast Ratio: 1000:1 (static)		
Brightness: 250 cd/m2		
Inputs: VGA, DVI-D, DisplayPort		
Ergonomics: Tilt, Pivot Rotation, Swivel, Supports VESA MIS		
Stand adjustments: Height adjustable		
Misc: detachable power cord		
Qualifications <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
Warranty: Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.9 - Standard Monitor		
Brand		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Panel Size/Type:</u> 23" IPS, LED Backlit, 16:9 ratio		
<u>Native Resolution:</u> 1920x1080		
<u>Contrast Ratio:</u> 1000:1 (static)		
<u>Brightness:</u> 250 cd/m2		
<u>Inputs:</u> VGA, DVI-D, DisplayPort		
<u>Ergonomics:</u> Tilt, Pivot Rotation, Swivel, Supports VESA MIS		
<u>Stand adjustments:</u> Height adjustable		
<u>Misc:</u> detachable power cord		
<u>Qualifications</u>		
<ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty:</u> Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS		
(See B10)		
SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section A: Common Office Equipment		
A.10 - Advanced Monitor		
Brand		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
Panel Size/Type: 27" IPS, LED Backlit, 16:9 ratio		
Native Resolution: 2560 x 1400		
Contrast Ratio: 1000:1 (static)		
Brightness: 250 cd/m2		
Inputs: VGA, DVI-D, DisplayPort		
Ergonomics: Tilt, Pivot Rotation, Swivel, Supports VESA MIS		
Stand adjustments: Height adjustable		
Misc: detachable power cord		
Qualifications		
<ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
Warranty: Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section B: Specialty Office Equipment		
B.1 - Standard Thin Client		
Brand		
Application Name:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System:</u> Hardware must support and include Windows Embedded Standard 7E or Windows 10 IoT Enterprise		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>CPU:</u> AMD GX-212JC Dual-Core SOC APU(1.2 GHz) Or equivalent		
<u>Memory:</u> 2GB DDR3		
<u>Graphics:</u> Integrated AMD Radeon HD Graphics or equivalent		
<u>Ports:</u> VGA and 2 x DisplayPort, 2 USB 3.0, 4 USB 2.0, 1 headphone, 1 microphone		
<u>Network Interface:</u> 10/100/1000 GbE		
<u>Supported Protocols:</u> Citrix® ICA Citrix® HDX Microsoft RDP Microsoft RemoteFX (RFX) VMware Horizon View through RDP VMware Horizon View through PCoIP		
<u>Keyboard/Mouse:</u> Wired USB		
<u>Audio:</u> Internal amplified speaker		
<u>Qualifications:</u> <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty:</u> Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS		
(See B10)		
SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section B: Specialty Office Equipment		
B.2 - Advanced Thin Client		
Brand		
Application Name:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System:</u> Hardware must support and include Windows Embedded Standard 7E 32		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>CPU:</u> AMD GX-217GA Dual-Core APU (1.65 GHz) or equivalent		
<u>Memory:</u> 4GB DDR3		
<u>Graphics:</u> Integrated AMD Radeon HD 8280E or equivalent		
<u>Ports:</u> VGA and 2 x DisplayPort, 2 USB 3.0, 4 USB 2.0, 1 headphone, 1 microphone		
<u>Network Interface:</u> 10/100/1000 GbE		
<u>Supported Protocols:</u> Citrix® ICA Citrix® HDX Microsoft RDP Microsoft RemoteFX (RFX) VMware Horizon View through RDP VMware Horizon View through PCoIP		
<u>Keyboard/Mouse:</u> Wired USB		
<u>Audio:</u> Internal amplified speaker		
<u>Qualifications:</u> <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty:</u> Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS		
(See B10)		
SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section B: Specialty Office Equipment		
B.3 - Fanless Nano PC		
Brand:		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional if possible		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>CPU</u> : Intel Celeron N2930 quad core or equivalent		
<u>Memory</u> : 8 GB		
<u>Graphics</u> : Intel HD Graphics or equivalent - HDMI, DisplayPort		
<u>Hard drive</u> : 120 SSD		
<u>Network Interface</u> : 1000Mbps, 802.11ac WiFi		
<u>Misc</u> : Fanless, USB3, Bluetooth		
<u>Qualifications</u> : <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : Manufacture Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section B: Specialty Office Equipment		
B.4 - Advanced Nano PC		
Brand:		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System:</u> Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional if possible		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>CPU:</u> Intel Core i7 - 5557U processor dual core with hyperthreading or equivalent		
<u>Memory:</u> 16GB dual channel		
<u>Graphics:</u> Iris Graphics 6100 or equivalent - Mini HDMI, Mini DisplayPort		
<u>Hard drive:</u> 120 SSD		
<u>Network Interface:</u> Intel PRO 10/100/1000, Intel Wireless 802.11ac		
<u>Misc:</u> Fanless, USB3, Bluetooth		
<u>Qualifications:</u>		
<ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty:</u> Manufacture Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS		
(See B10)		
SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section C: Specialty Field Equipment		
C.1 - Semi-Ruggedized Laptop		
Brand:		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>Display</u> : 14", 1366x768, touchscreen, Anti-glare and anti-reflective coating, Concealed (Night) mode setting		
<u>CPU</u> : Intel Core i5 or equivalent		
<u>RAM Memory</u> : DDR3, 8 GB		
<u>Graphics</u> : HD Graphics		
<u>Audio/Camera</u> : Integrated speakers, microphone and 1080P camera		
<u>Hard drive</u> : 120GB SSD		
<u>Network Interface</u> : RJ-45 10/100/1000 Ethernet		
<u>Wireless</u> : 802.11 a/b/g/n/ac and Bluetooth v4.0		
<u>Expansion Slots</u> :1 multi format SD media card reader		
<u>Ports and accessories</u> : USB 3.0 Micro SD Mini-jack stereo Option for smartcard reader Option for GPS Option for 4G LTE multi carrier broadband Docking station connector		
<u>Battery</u> : 4 hours with medium usage		
<u>Weight</u> : Bidder to specify		
<u>Rugged Certifications</u> : IP51 MIL-STD-810G		
<u>Construction</u> : metal case with handle		
<u>Qualifications</u> : <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : 3-year warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section C: Specialty Field Equipment		
C.2 - Standard Ruggedized Laptop		
Brand:		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 12 months with forty five (45) days' notice of HAL changes.		
<u>Display</u> : 10", 1024x768 touchscreen, Anti-glare and anti-reflective coating, Supports stylus		
<u>Keyboard</u> : Chiclet style keyboard with individual key backlighting		
<u>Touchpad</u> : Pressure/resistive touch pad for gloved touch capability		
<u>Audio</u> : Integrated speakers and microphone		
<u>CPU</u> : Intel Core i5 or equivalent		
<u>RAM Memory</u> : DDR3, 4 GB		
<u>Hard drive</u> : Shock mounted 120GB SSD		
<u>Network Interface</u> : RJ-45 10/100/1000 Ethernet		
<u>Wireless</u> : 802.11 a/b/g/n/ac Bluetooth v4.0, Embedded 4G cellular modem		
<u>Ports and accessories</u> : USB 3.0, Docking station connector compatible with CF-19 docks, Mini-jack stereo, Option for Smartcard reader, Option for GPS, Option for Camera		
<u>Battery</u> : 6 hours with medium usage		
<u>Weight</u> : Bidder to Specify		
<u>Rugged Certifications</u> : IP65, 3rd Party Tested MIL-810G		
<u>Construction</u> : Latched port covers, Raised Bezel		
<u>Mounting</u> : Must be compatible with Gamber Johnson LLC NP CF18 series vehicle mounts		
<u>Qualifications</u> : <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : 3-year; Allow certification of City technicians		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section C: Specialty Field Equipment		
C.3 - Advanced Ruggedized Laptop		
Brand:		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>Display</u> : 13" 1024 x 768 sunlight viewable LED touchscreen, Anti-glare and anti-reflective coating, Concealed (Night) mode setting		
<u>Keyboard</u> : Chiclet style keyboard with individual key backlighting		
<u>Touchpad</u> : Pressure/resistive touch pad for gloved touch capability		
<u>CPU</u> : Intel Core i5 or equivalent		
<u>RAM Memory</u> : DDR3, 8 GB		
<u>Audio</u> : Integrated speakers and microphone		
<u>Hard drive</u> : 120GB SSD		
<u>Network Interface</u> : RJ-45 10/100/1000 Ethernet		
<u>Wireless</u> : 802.11 a/b/g/n/ac and Bluetooth v4.0		
<u>Expansion Slots</u> :1 multi format SD media card reader		
<u>Ports and accessories</u> : USB 3.0, Micro SD, Mini-jack stereo, Option for smartcard reader, Option for GPS, Option for 4G LTE Multi Carrier, Broadband, Docking station connector		
<u>Battery</u> : 4 hours with medium usage		
<u>Weight</u> : Bidder to Specify		
<u>Rugged Certifications</u> : IP65, MIL-STD-810G		
<u>Construction</u> : Metal case with handle, latched port covers		
<u>Mounting</u> : Must be compatible with Precision Mounting Technologies Ltd TrimLine CF-31 vehicle mounts		
<u>Qualifications</u> : <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : 3-year warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS		
(See B10)		
SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section C: Specialty Field Equipment		
C.4 - Standard Ruggedized Tablet		
Brand:		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>Display</u> : 10", 1024x768, capacitive touchscreen Anti-glare and anti-reflective coating Concealed (Night) mode setting Supports stylus		
<u>CPU</u> : Intel Core i5 or equivalent		
<u>RAM Memory</u> : DDR3, 4 GB		
<u>Audio</u> : Integrated speakers and microphone		
<u>Hard drive</u> : 120GB SSD		
<u>Network Interface</u> : RJ-45 10/100/1000 Ethernet		
<u>Wireless</u> : 802.11 a/b/g/n/ac and Bluetooth v4.0		
<u>Expansion Slots</u> :1 multi format SD media card reader		
<u>Ports and accessories</u> : USB 3.0 Micro SD Mini-jack stereo Option for smartcard reader Option for GPS Docking station connector		
<u>Battery</u> : 6 hours with medium usage		
<u>Weight</u> : Bidder to specify		
<u>Rugged Certifications</u> : IP65 Dust and water resistant MIL-STD-810G		
<u>Construction</u> : Port covers Raised Bezel		
<u>Qualifications</u> <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : 3-year warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section C: Specialty Field Equipment		
C.5 - Advanced Ruggedized Tablet		
Brand:		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
<u>Operating System</u> : Hardware must support and include Windows 10 Professional downgradeable to Windows 7 Professional		
<u>Hardware consistency</u> (see D4.1(d)): Model lifecycle of 6 months with forty five (45) days' notice of HAL changes.		
<u>Display</u> : 1900x1200 IPS capacitive multitouch, Anti-glare and anti-reflective coating Concealed (Night) mode setting Supports stylus		
<u>CPU</u> : Intel Core i5 or equivalent		
<u>RAM Memory</u> : DDR3, 8 GB		
<u>Audio</u> : Integrated speakers and microphone		
<u>Hard drive</u> : 120GB SSD		
<u>Network Interface</u> : RJ-45 10/100/1000 Ethernet		
<u>Wireless</u> : 802.11 a/b/g/n/ac and Bluetooth v4.0		
<u>Expansion Slots</u> :1 multi format SD media card reader		
<u>Ports and accessories</u> : USB 3.0 Micro SD Mini-jack stereo Option for smartcard reader Option for GPS Docking station connector		
<u>Battery</u> : 10 hours with medium usage		
<u>Weight</u> : Bidder to Specify		
<u>Rugged Certifications</u> : IP65 Dust and water resistant MIL-STD-810G		
<u>Construction</u> : Port covers Raised Bezel		
<u>Qualifications</u> <ul style="list-style-type: none"> • ENERGY STAR® certified • EPEAT® Silver level certification 		
<u>Warranty</u> : 3-year warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section C: Specialty Field Equipment		
C.6 - Ruggedized Printer		
Brand:	Datamax-O'neil	
Model:	OC3	
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
Media type: Direct thermal receipt paper		
Connectivity: Bluetooth		
Drop specification: 4ft		
Fonts: User configurable		
Print head: Direct thermal, 203 dpi		
Accessories: IP54 soft case		
Compatibility: Windows, Windows CE, DOS		
Warranty: Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section C: Specialty Field Equipment		
C.7 - Ruggedized Printer for Android		
Brand:	Datamax-O'neil	
Model:	Apex3	
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
Media type: Direct thermal receipt paper		
Connectivity: Bluetooth		
Drop specification: 4ft		
Fonts: User configurable		
Print head: Direct thermal, 203 dpi		
Accessories: IP54 soft case		
Compatibility: Windows, Windows CE, DOS, Android		
Warranty: Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section D: Uninterrupted Power Supply		
D.1 - Basic UPS		
Brand:		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
Type: Line-interactive		
Sizes: 700, 1000, and 1500 VA, tower form factors. Bidder to specify price for each size		
Network: built in Ethernet interface or an equivalent expansion card.		
Rack mount kits. Bidder to specify pricing separately		
Battery expansion modules. Bidder to specify pricing separately		
Warranty: Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section D: Uninterrupted Power Supply		
D.2 - Standard UPS		
Brand:		
Model:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
Type: Online double-conversion, Eaton 9130 or equivalent		
Sizes: 700, 1000, and 1500 VA, 19 inch rack mount or tower form factors. Bidder to specify prices for each available VA and form factor combination.		
Network: Built in Ethernet interface or an equivalent expansion card.		
Rack mount kits. Bidder to specify pricing separately		
Battery expansion modules. Bidder to specify pricing separately		
Warranty: Manufacturer Warranty		

FORM C(R1): TECHNICAL SPECIFICATIONS (See B10) SUPPLY AND DELIVERY OF COMPUTER HARDWARE AND ACCESSORIES		
Section E: Endpoint Management		
E.1 - Endpoint Management System		
Brand		
Application Name:		
Minimum Specifications	Meets or Exceeds (Yes / No)	Explanation where specification not met or exceeded.
Hardware Inventory including tracking hardware changes and warranty period tracking		
Software Inventory including tracking removed software		
Software Deployment including third party patch deployment		
Software Uninstall		
Software Licensing/Subscription Management including Software Metering		
Customizable reporting		
Report scheduling		
Customizable dashboard		
Enterprise-level stability and robustness		
Agent based information gathering		
Be accessible by all City departments		
Ability for a department's desktop support staff to only see and control the devices owned by that department		
Ability for each department to independently determine how they will use the system in their environment		