



## REQUEST FOR QUOTATION

REFQ No. APRM/RFQ/01/2019

**Date Issued:** 29<sup>th</sup> July 2019

**Loan No:** 2100155036916

**Project ID No.:** P-Z1-K00-084

**IFB /Tender No:** APRM/EP/002/2019

**Close Date:** 14<sup>th</sup> August 2019

**Country:** South Africa

**TENDER NAME: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING INFORMATION TECHNOLOGY EQUIPMENT (IT) AND RELATED SOFTWARE AS SPECIFIED.**

### 1) BACKGROUND

African Peer Review Mechanism (APRM) has received Financing from the African Development Fund (ADF) towards the finance of the African Peer Review Mechanism Institutional Support Project (APRM-ISP). It is intended that part of the proceeds of this loan will be applied to eligible payments under the contract for Supply, Installation, and Testing and Commissioning of IT equipment at APRM Offices.

African Peer Review Mechanism (APRM) now invites sealed bids from eligible bidders for Supply, Installation, Testing and Commissioning of the IT equipment at APRM Offices.

### 2) PRELIMINARY/MANDATORY EVALUATION

No	Item Description	YES/ NO	REMARKS
1	Attach Manufacturer's Authorization or Certificate confirming the bidder is Authorized and Certified to supply the equipment		
3	Confirm that upgrading of the software does not void the warranty		
4	Confirm after sales service and technical support - The firm shall have local presence, on the ground to handle emerging issues.		
5	Attach valid Tax Compliance certificate Certificate of registration with South Africa Revenue Services		
6	Financial Capacity of the firm- Attach Audited Accounts for the past 3 years 2015,2016 and 2017 If possible 2018 Also calculate the Net profit Margin = Net Profit /Total Revenue, above 0.1 is acceptable below that not acceptable.		
7	Experience of the firm Similar contracts of undertaken in the past thee (3) years, state contract sum, attach copies of contracts and recommendation letters, describe the similarity in terms of technology. Should possess experience of client support, such as, a Help Desk or User Support Unit		

	Experience of the personnel- Attach relevant Certified CV and professional qualification of at least two ICT personnel to be engaged in the assignment		
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**Only bidders who met the above mandatory requirements shall be considered for technical evaluation**

**3) TECHNICAL SPECIFICATIONS**

**SPECIFICATIONS OF IT EQUIPMENT AND RELATED SOFTWARES**

<b>MINIMUM SPECIFICATIONS</b>	
<b>1)DESKTOP SYSTEM (IOS)</b>	
<b>Display</b>	<ul style="list-style-type: none"> <li>• Retina 4K display</li> <li>• 21.5-inch (diagonal) Retina 4K display</li> <li>• 4096-by-2304 resolution with support for one billion colours</li> <li>• 500 nits brightness</li> <li>• Wide colour (P3)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>• 2.3GHz dual-core Intel Core i5 (Turbo Boost up to 3.6GHz)</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 8GB of 2133MHz DDR4 memory Configurable to 16GB</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• 1TB (5400-rpm) hard drive or 256GB SSD</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Intel Iris Plus Graphics 640</li> </ul>
<b>Video Support and Camera</b>	<ul style="list-style-type: none"> <li>• Simultaneously supports full native resolution on the built-in display at millions of colours (21.5-inch) or 1 billion colours (21.5-inch 4K) and:</li> <li>• One 5120-by-2880 (5K) external display at 60Hz with support for 1 billion colours, or Two 3840-by-2160 (4K UHD) external displays at 60Hz with support for 1 billion colours, or Two 4096-by-2304 (4K) external displays at 60Hz with support for millions of colours</li> <li>• Thunderbolt 3 digital video output Native DisplayPort output over USB-C</li> <li>• Thunderbolt 2, HDMI, DVI, and VGA output supported using adapters (sold separately)</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>• Stereo speakers</li> <li>• Microphone</li> <li>• 3.5 mm headphone jack</li> <li>• Support for Apple iPhone headset with microphone</li> </ul>
<b>Connections and Expansion</b>	<ul style="list-style-type: none"> <li>• 3.5 mm headphone jack</li> <li>• SDXC card slot</li> <li>• Four USB 3 ports (compatible with USB 2)</li> <li>Two Thunderbolt 3 (USB-C) ports with support for: <ul style="list-style-type: none"> <li>• DisplayPort</li> <li>• Thunderbolt (up to 40 Gbps)</li> <li>• USB 3.1 Gen 2 (up to 10 Gbps)</li> <li>• Thunderbolt 2, HDMI, DVI, and VGA supported using adapters (sold separately)</li> </ul> </li> <li>• 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector)</li> <li>• Kensington lock slot</li> </ul>
<b>Input</b>	<ul style="list-style-type: none"> <li>• Wireless and rechargeable with an ultracompact</li> <li>• Keyboard with Numeric Keypad includes document navigation controls — page up, page down, home, and end — and full-size arrow keys that</li> </ul>

	<p>are perfect for navigating pro apps, moving through spreadsheets, and playing games.</p> <ul style="list-style-type: none"> <li>• Supports Multi-Touch (simple gestures such as swipe between web pages and scroll through documents).</li> <li>• Multi-Touch gestures and introduces Force Touch to the desktop.</li> </ul>	
<b>Wireless</b>	<ul style="list-style-type: none"> <li>• Wi-Fi</li> <li>• 802.11ac Wi-Fi wireless networking</li> <li>• IEEE 802.11a/b/g/n compatible</li> <li>• Bluetooth</li> <li>• Bluetooth 4.2 wireless technology</li> </ul>	
<b>Size and Weight</b>	<ul style="list-style-type: none"> <li>• Height: 17.7 inches (45.0 cm)</li> <li>• Width: 20.8 inches (52.8 cm)</li> <li>• Stand depth: 6.9 inches (17.5 cm)</li> <li>• Weight: 12.5 pounds (5.66 kg)<sup>2</sup></li> </ul>	
<b>Electrical and Operating Requirements</b>	<ul style="list-style-type: none"> <li>• Line voltage: 100–240V AC</li> <li>• Frequency: 50Hz to 60Hz, single phase</li> <li>• Operating temperature: 50° to 95° F (10° to 35° C)</li> <li>• Relative humidity: 5% to 95% noncondensing</li> <li>• Operating altitude: tested up to 10,000 feet</li> </ul>	
<b>Warranty and Service</b>	<ul style="list-style-type: none"> <li>• Technical support and a one-year limited warranty.</li> <li>• Extended warranty coverage up to three years</li> <li>• The bidder shall warrant that the equipment/product is free from defects and that the bidder shall undertake immediate remedy as soon as is technically feasible.</li> </ul>	
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• Keyboard</li> <li>• Mouse 2</li> <li>• Power cord</li> <li>• Lightning to USB Cable</li> </ul>	
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• macOS Mojave</li> </ul>	
<b>Accessibility features</b>	<p>Built-in support for vision, hearing, learning and literacy. Features include the following:</p> <ul style="list-style-type: none"> <li>• Voiceover</li> <li>• Zoom</li> <li>• Increase Contrast</li> <li>• Reduce Motion</li> <li>• Siri and Dictation</li> <li>• Switch Control</li> </ul>	
<b>Built-in Apps</b>	<ul style="list-style-type: none"> <li>• Photos</li> <li>• iMovie</li> <li>• GarageBand</li> <li>• Pages</li> <li>• Numbers</li> <li>• Keynote</li> <li>• Siri</li> <li>• Safari</li> <li>• Mail</li> <li>• FaceTime</li> <li>• Messages</li> <li>• Stocks</li> <li>• Home</li> </ul>	<ul style="list-style-type: none"> <li>• Voice Memos</li> <li>• Notes</li> <li>• Calendar</li> <li>• Contacts</li> <li>• Reminders</li> <li>• Photo Booth</li> <li>• Preview</li> <li>• iTunes</li> <li>• Books</li> <li>• App Store</li> <li>• Time Machine</li> <li>• Maps</li> <li>• News</li> </ul>
<b>QUANTITY</b>	<b>2 Units</b>	

<b>State Country of Origin</b>	
<b>2)DESKTOP SYSTEMS (WINDOWS)</b>	
<b>Dimensions/Weight</b>	<ul style="list-style-type: none"> <li>• Display: 25.1" x 17.3" x 0.5" (637.35 mm x 438.90 mm x 12.5 mm)</li> <li>• Base: 9.8" x 8.7" x 1.3" (250.00 mm x 220.00 mm x 32.2 mm)</li> <li>• Product weight: 21 lbs max (9.56 kg max)</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>• Screen: 28" PixelSense™ Display</li> <li>• Resolution: 4500 x 3000 (192 PPI)</li> <li>• Colour settings: sRGB, DCI-P3 and Vivid Colour Profiles, individually colour calibrated display</li> <li>• Touch: 10-point multi-touch</li> <li>• Aspect Ratio: 3:2</li> <li>• Supports Pen and Zero Gravity Hinge</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 8 - 16 GB</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>• Intel® Core™ i5 or i7</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• TPM chip for enterprise security</li> <li>• Enterprise-grade protection with Windows Hello1 face sign-in</li> </ul>
<b>Software</b>	<ul style="list-style-type: none"> <li>• Windows 10 Pro</li> </ul>
<b>Accessories and Documentation</b>	<ul style="list-style-type: none"> <li>• Pen</li> <li>• Keyboard</li> <li>• Mouse</li> <li>• Extra Power cord with grip-release cable</li> <li>• Quick start guides</li> <li>• Safety and warranty guide</li> <li>• Booklet</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Rapid Hybrid Drive options: 64GB SSD with 1TB HDD or 128GB SSD with 1TB HDD</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>• i5 Intel 8GB: NVIDIA® GeForce® GTX 965M 2GB GDDR5 memory</li> </ul>
<b>Connections &amp; expansions</b>	<ul style="list-style-type: none"> <li>• 4 x USB 3.0 (one high power port)</li> <li>• Full-size SD™ card reader (SDXC) compatible</li> <li>• Mini DisplayPort</li> <li>• 3.5 mm headset jack</li> <li>• Compatible with Surface Dial on-screen interaction*</li> <li>• 1 Gigabit Ethernet port</li> </ul>
<b>Cameras, video and audio</b>	<ul style="list-style-type: none"> <li>• Windows Hello1 face sign-in camera</li> <li>• 5.0 MP camera with 1080p HD video (front)</li> <li>• Dual microphones</li> <li>• Stereo 2.1 speakers with Dolby® Audio™ Premium</li> <li>• 3.5 mm headphone jack</li> </ul>
<b>Wireless</b>	<ul style="list-style-type: none"> <li>• Wi-Fi: 802.11ac Wi-Fi wireless networking, IEEE 802.11 a/b/g/n compatible</li> <li>• Bluetooth Wireless 4.0 technology</li> <li>• Xbox Wireless built-in</li> </ul>
<b>Buttons/Keyboard</b>	<ul style="list-style-type: none"> <li>• Volume key and power key</li> </ul>
<b>Surface Dial</b>	<ul style="list-style-type: none"> <li>• Compatibility: All Windows 10 devices</li> <li>• Press and hold: For menu</li> <li>• Rotate: Freely/continuously (both directions); 0.30 N-cm</li> </ul>

	<p>resistance torque</p> <ul style="list-style-type: none"> <li>• Click: Activates a momentary switch with 300g force; Rotate detection functional in up and down button positions</li> <li>• Dynamic feedback: Provides tactile feedback in software adjustable increments</li> <li>• On-screen detection: Touch digitizer reports the onscreen location through a capacitive pattern (Studio only)</li> </ul> <p>Surface Dial should support the following Apps:</p> <ul style="list-style-type: none"> <li>• Bluebeam (Revu)</li> <li>• Drawboard (Drawboard PDF)</li> <li>• Mental Canvas (Mental Canvas Player)</li> <li>• Silicon Benders (Sketchable)</li> <li>• Smith Micro (Moho 12)</li> <li>• Spotify (Spotify)</li> <li>• Staffpad (StaffPad)</li> <li>• Windows (All)</li> <li>• Word, PPT, Excel (Office Win32)</li> <li>• OneNote (UWP version)</li> <li>• Windows Maps</li> <li>• Plumbago</li> <li>• Sketchpad</li> <li>• Groove Music</li> <li>• PewPew Shooter</li> <li>• Microsoft Photos</li> <li>• Paint</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>• Technical support and a one-year limited warranty.</li> <li>• Extended warranty coverage up to three years</li> <li>• The bidder shall warrant that the equipment/product is free from defects and that the bidder shall undertake immediate remedy as soon as is technically feasible</li> </ul>
<b>QUANTITY</b>	<b>2 UNITS</b>
<b>State Country of Origin and attach relevant Brochure</b>	
<b>3)TABLET &amp; NOTEBOOK (HYBRID)</b>	
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• i7: 12.3" x 9.14" x 0.59"-0.90" (312 mm x 232 mm x 15 mm-23 mm)</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Solid state drive (SSD) options: 512GB PCIe SSD</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>• 13.5" PixelSense™ Display</li> <li>• Screen: 13.5" PixelSense™ Display</li> <li>• Resolution: 3000 x 2000 (267 PPI)</li> <li>• Aspect ratio: 3:2</li> <li>• Contrast ratio: 1600:1</li> <li>• Touch: 10 point multi-touch G5</li> </ul>
<b>Battery life</b>	<ul style="list-style-type: none"> <li>• Up to 17 hours of video playback</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 16GB RAM 1866Mhz LPDDR3</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>• 13.5" PixelSense™ Display</li> <li>• Intel® HD Graphics 620 integrated GPU (on Intel® i5-7300U model)</li> <li>• NVIDIA® GeForce® GTX 1050 discrete GPU w/2GB GDDR5 graphics memory (on Intel® i7-8650U models)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>• 7th Gen Intel® Core™ i5-7300U dual-core processor, 3.5GHz Max</li> </ul>

	<ul style="list-style-type: none"> <li>Turbo</li> </ul>	
	<ul style="list-style-type: none"> <li>or</li> <li>8th Gen Intel® Core™ i7-8650U quad-core processor, 4.2GHz Max Turbo</li> </ul>	
<b>Security</b>	<ul style="list-style-type: none"> <li>HW TPM 2.0 chip for enterprise security</li> <li>Enterprise-grade protection with Windows Hello face sign-in</li> </ul>	
<b>Cameras, video, and audio</b>	<ul style="list-style-type: none"> <li>Windows Hello face authentication camera (front-facing)</li> <li>5.0MP front-facing camera with 1080p HD video</li> <li>8.0MP rear-facing autofocus camera with 1080p HD video</li> <li>Dual microphones</li> <li>Front-facing stereo speakers with Dolby® Audio™ Premium</li> <li>Support for Windows Sonic for Headphones</li> </ul>	
<b>Software</b>	<ul style="list-style-type: none"> <li>Windows 10 Pro Creators Update 64-bit</li> </ul>	
<b>Wireless</b>	<ul style="list-style-type: none"> <li>Wi-Fi: IEEE 802.11 a/b/g/n/ac compatible</li> <li>Bluetooth Wireless 4.1 technology</li> <li>Xbox Wireless built-in (15" only)</li> </ul>	
<b>Sensors</b>	<ul style="list-style-type: none"> <li>Ambient light sensor</li> <li>Proximity sensor</li> <li>Accelerometer</li> </ul>	<ul style="list-style-type: none"> <li>Gyroscope</li> <li>Magnetometer</li> </ul>
<b>Exterior</b>	<ul style="list-style-type: none"> <li>Casing: Magnesium</li> <li>Color: Silver</li> </ul>	<ul style="list-style-type: none"> <li>Physical buttons: Volume, Power</li> </ul>
<b>Accessories and Documentation</b>	<ul style="list-style-type: none"> <li>Extra Power Supply</li> <li>39W (integrated GPU) or 95W (discrete GPU) Surface Power Supply w/USB-A (5W) charging port</li> <li>Quick Start Guide</li> <li>Safety and warranty documents</li> </ul>	
<b>Weight</b>	<ul style="list-style-type: none"> <li>Starting at 3.38 lbs (1,534 g) / 3.62 lbs (1,642 g) including keyboard</li> </ul>	
<b>Support and Warranty</b>	<ul style="list-style-type: none"> <li>90 days of free technical phone support</li> <li>12 months in-store support and technical assistance</li> <li>Extended warranty coverage for 3 years</li> <li>The bidder shall warrant that the equipment/product is free from defects and that the bidder shall undertake immediate remedy as soon as is technically feasible</li> </ul>	
<b>QUANTITY</b>	<b>ONE UNIT</b>	
<b>State country of Origin and attach relevant Brochure</b>		
<b>4) TABLET (WINDOWS)</b>		
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>11.5" x 7.9" x 0.33" (292 mm x 201 mm x 8.5 mm)</li> </ul>	
<b>Display</b>	<ul style="list-style-type: none"> <li>Screen: 12.3" PixelSense™ Display</li> <li>Resolution: 2736 x 1824 (267 PPI)</li> <li>Aspect Ratio: 3:2</li> <li>Touch: 10-point multi-touch</li> </ul>	
<b>Memory</b>	<ul style="list-style-type: none"> <li>8GB</li> </ul>	
<b>Processor</b>	<ul style="list-style-type: none"> <li>Intel® Core™ 7th-generation i7</li> </ul>	
<b>Security</b>	<ul style="list-style-type: none"> <li>TPM chip for enterprise security</li> <li>Enterprise-grade protection with Windows Hello face sign-in</li> </ul>	
<b>Software</b>	<ul style="list-style-type: none"> <li>Windows 10 Pro</li> </ul>	
<b>Sensors</b>	<ul style="list-style-type: none"> <li>Ambient light sensor</li> <li>Accelerometer</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>Gyroscope</li> </ul>

<b>Storage</b>	<ul style="list-style-type: none"> <li>• Solid state drive (SSD) options: 256GB</li> </ul>	
<b>Accessories and Documentations</b>	<ul style="list-style-type: none"> <li>• Professional Digital Pen + Extra</li> <li>• Safety and warranty documents</li> </ul>	<ul style="list-style-type: none"> <li>• Power Supply</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>• 4G LTE Cat 9 modem up to 450Mbps</li> <li>• GPS / GLONASS: Standalone and Assisted GNSS, accuracy up to 3 meters</li> <li>• Nano SIM Tray and Embedded SIM (eSIM)</li> <li>• LTE Advanced (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19, 20, 26, 28, 29, 30, 38, 39, 40, 41)</li> </ul>	
<b>Battery Life</b>	<ul style="list-style-type: none"> <li>• Up to 12.5 - 13.5 hours of local video playback2 (Wi-Fi / LTE Advanced3)</li> </ul>	
<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Intel® HD Graphics 620 (i5) or Intel® Iris™ Plus Graphics 640 (i7)</li> </ul>	
<b>Connections</b>	<ul style="list-style-type: none"> <li>• 1 x Full-size USB 3.0</li> <li>• microSDXC card reader</li> <li>• Surface Connect</li> </ul>	<ul style="list-style-type: none"> <li>• 3.5mm Headphone jack</li> <li>• Mini DisplayPort</li> <li>• Cover port</li> </ul>
<b>Camera, video and audio</b>	<ul style="list-style-type: none"> <li>• Windows Hello face authentication camera (front-facing)</li> <li>• 5.0MP front-facing camera with 1080p Skype HD video</li> <li>• 8.0MP rear-facing autofocus camera with 1080p Full HD video</li> <li>• Dual microphones</li> <li>• 1.6W Stereo speakers with Dolby® Audio™ Premium</li> </ul>	
<b>Wireless</b>	<ul style="list-style-type: none"> <li>• Wi-Fi: IEEE 802.11 a/b/g/n/ac compatible</li> <li>• Bluetooth Wireless 4.1 technology</li> </ul>	
<b>Exterior</b>	<ul style="list-style-type: none"> <li>• Pen*</li> <li>• Keyboard*</li> <li>• Mouse*</li> </ul>	
<b>Model number</b>	<ul style="list-style-type: none"> <li>• 1796 (Wi-Fi) / 1807 (LTE Advanced3)</li> </ul>	
<b>Warranty and Technical Support</b>	<ul style="list-style-type: none"> <li>• 90 days of free technical phone support</li> <li>• 12 months in-store support and technical assistance</li> <li>• 1-year limited hardware warranty</li> <li>• 3 Years Extended Warranty Coverage</li> <li>• The bidder shall warrant that the equipment/product is free from defects and that the bidder shall undertake immediate remedy as soon as is technically feasible</li> </ul>	
<b>QUANTITY</b>	<b>2 UNITS</b>	
<b>State Country of Origin and relevant Brochure</b>		
<b>5)TABLET (IOS)</b>		
<b>Finish</b>	<ul style="list-style-type: none"> <li>• Silver / Gold / Space Gray</li> </ul>	
<b>Models</b>	<ul style="list-style-type: none"> <li>• Wi-Fi + Cellular</li> </ul>	
<b>Capacity</b>	<ul style="list-style-type: none"> <li>• 128GB</li> </ul>	
<b>Size and Weight</b>	<ul style="list-style-type: none"> <li>• Height: 9.4 inches (240 mm)</li> <li>• Width: 6.6 inches (169.5 mm)</li> <li>• Depth: 0.29 inch (7.5 mm)</li> <li>• Weight: 1.05 pounds (478 g)</li> </ul>	
<b>Connectors</b>	<ul style="list-style-type: none"> <li>• Lightning</li> </ul>	
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• Lightning to USB Cable</li> <li>• USB Power Adapter + Extra</li> </ul>	
<b>Display</b>	<ul style="list-style-type: none"> <li>• Retina display</li> </ul>	

	<ul style="list-style-type: none"> <li>• 9.7-inch (diagonal) LED-backlit Multi-Touch display with IPS technology</li> <li>• 2048-by-1536-pixel resolution at 264 ppi</li> <li>• Fingerprint-resistant oleophobic coating</li> <li>• Supports Digital Pen / Pencil</li> </ul>	
<b>Chip</b>	<ul style="list-style-type: none"> <li>• A10 Fusion chip with 64-bit architecture</li> <li>• Embedded M10 coprocessor</li> </ul>	
<b>Camera, Photos, and Video Recording Camera</b>	<ul style="list-style-type: none"> <li>• 8-megapixel camera</li> <li>• Live Photos</li> <li>• Autofocus</li> <li>• Panorama (up to 43 megapixels)</li> <li>• HDR for photos</li> <li>• Exposure control</li> <li>• Burst mode</li> <li>• Tap to focus</li> <li>• Timer mode</li> <li>• f/2.4 aperture</li> <li>• Five-element lens</li> <li>• Hybrid IR filter</li> <li>• Backside illumination</li> <li>• FaceTime HD Camera</li> <li>• 1.2-megapixel photos</li> <li>• Live Photos</li> <li>• f/2.2 aperture</li> <li>• Retina Flash</li> </ul>	<ul style="list-style-type: none"> <li>• Auto image stabilization</li> <li>• Body and face detection</li> <li>• Photo geotagging</li> <li>• Video Recording</li> <li>• 1080p HD video recording</li> <li>• Slo-mo (120 fps)</li> <li>• Time-lapse video with stabilization</li> <li>• Video image stabilization</li> <li>• Body and face detection</li> <li>• 3x video zoom</li> <li>• Video geotagging</li> <li>• Backside illumination</li> <li>• HDR for photos and videos</li> <li>• Body and face detection</li> <li>• Burst mode</li> <li>• Exposure control</li> <li>• Timer mode</li> <li>• 720p HD video recording</li> </ul>
<b>Video Calling</b>	<ul style="list-style-type: none"> <li>• FaceTime-enabled device over Wi-Fi or cellular</li> </ul>	
<b>Audio Calling</b>	<ul style="list-style-type: none"> <li>• FaceTime-enabled device over Wi-Fi or cellular</li> </ul>	
<b>Cellular and Wireless</b>	<ul style="list-style-type: none"> <li>• Wi-Fi + Cellular model</li> <li>• Wi-Fi (802.11a/b/g/n/ac); dual band (2.4GHz and 5GHz); HT80 with MIMO</li> <li>• Bluetooth 4.2 technology</li> <li>• UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)</li> <li>• CDMA EV-DO Rev. A (800, 1900 MHz)</li> <li>• LTE (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41)4</li> <li>• Data only</li> <li>• Wi-Fi calling</li> </ul>	
<b>SIM Card</b>	<ul style="list-style-type: none"> <li>• Nano-SIM</li> </ul>	
<b>Location</b>	<ul style="list-style-type: none"> <li>• Digital compass</li> <li>• Wi-Fi</li> <li>• Assisted GPS and GLONASS</li> </ul>	<ul style="list-style-type: none"> <li>• Cellular</li> <li>• iBeacon microlocation</li> </ul>
<b>Sensors</b>	<ul style="list-style-type: none"> <li>• Touch ID</li> <li>• Three-axis gyro</li> <li>• Accelerometer</li> </ul>	<ul style="list-style-type: none"> <li>• Barometer</li> <li>• Ambient light sensor</li> </ul>
<b>Touch ID</b>	<ul style="list-style-type: none"> <li>• Fingerprint identity sensor built into the Home button</li> </ul>	
<b>Siri</b>	<ul style="list-style-type: none"> <li>• Use your voice to send messages, set reminders, and more</li> <li>• Use hands-free</li> <li>• Listen and identify audio recordings</li> </ul>	
<b>Power and Battery</b>	<ul style="list-style-type: none"> <li>• Built-in 32.4-watt-hour rechargeable lithium-polymer battery</li> </ul>	



	<ul style="list-style-type: none"> <li>• Up to 10 hours of surfing the web on Wi-Fi, watching video, or listening to music</li> <li>• Up to 9 hours of surfing the web using cellular data network</li> <li>• Charging via power adapter or USB to computer system</li> </ul>		
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• iOS 12</li> </ul>		
<b>Accessibility features</b>	<p>Built-in support for vision, hearing, learning and literacy. Features include:</p> <ul style="list-style-type: none"> <li>• VoiceOver</li> <li>• Zoom</li> <li>• Siri and Dictation</li> </ul>	<ul style="list-style-type: none"> <li>• Switch Control</li> <li>• Closed Captions</li> <li>• AssistiveTouch</li> <li>• Speak Screen</li> <li>• Magnifier</li> </ul>	
<b>Built-in Apps and other Apps</b>	<ul style="list-style-type: none"> <li>• Pages</li> <li>• Numbers</li> <li>• Keynote</li> <li>• iMovie</li> <li>• Swift Playgrounds</li> <li>• Mail</li> <li>• Contacts</li> <li>• Stocks</li> <li>• Clock</li> <li>• TV</li> <li>• News</li> <li>• Photo Booth</li> <li>• Podcasts</li> <li>• Find My iPhone</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• GarageBand</li> <li>• iTunes U</li> <li>• Apple Store</li> <li>• Trailers</li> <li>• Remote</li> <li>• Music Memos</li> <li>• Clips</li> <li>• Music</li> <li>• Safari</li> <li>• Maps</li> <li>• Siri</li> <li>• Calendar</li> <li>• iTunes Store</li> <li>• App Store</li> <li>• Notes</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Shortcuts</li> <li>• Camera</li> <li>• Photos</li> <li>• Messages</li> <li>• FaceTime</li> <li>• Books</li> <li>• Home</li> <li>• Reminders</li> <li>• Find My Friends</li> <li>• Files</li> <li>• Voice Memos</li> <li>• Measure</li> </ul>
<b>Languages</b>	<ul style="list-style-type: none"> <li>• <b>Language support</b></li> </ul> <p>English (Australia, UK, U.S.), Chinese (Simplified, Traditional, Traditional Hong Kong), French (Canada, France), German, Italian, Japanese, Korean, Spanish (Latin America, Mexico, Spain), Arabic, Catalan, Croatian, Czech, Danish, Dutch, Finnish, Greek, Hebrew, Hindi, Hungarian, Indonesian, Malay, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Slovak, Swedish, Thai, Turkish, Ukrainian, Vietnamese</p> <ul style="list-style-type: none"> <li>• QuickType keyboard support</li> </ul> <p>English (Australia, Canada, India, Singapore, UK, U.S.), Chinese - Simplified (Handwriting, Pinyin, Stroke), Chinese - Traditional (Cangjie, Handwriting, Pinyin, Stroke, Sucheng, Zhuyin), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese (Kana, Romaji), Korean, Spanish (Latin America, Mexico, Spain), Arabic (Modern Standard, Najdi), Armenian, Azerbaijani, Belarusian, Bengali, Bulgarian, Catalan, Cherokee, Croatian, Czech, Danish, Dutch, Emoji, Estonian, Filipino, Finnish, Flemish, Georgian, Greek, Gujarati, Hawaiian, Hebrew, Hindi (Devanagari, Transliteration), Hinglish, Hungarian, Icelandic, Indonesian, Irish, Kannada, Latvian, Lithuanian, Macedonian, Malay, Malayalam, Maori, Marathi, Norwegian, Odia, Persian, Polish, Portuguese (Brazil, Portugal), Punjabi, Romanian, Russian, Serbian (Cyrillic, Latin), Slovak, Slovenian, Swahili, Swedish, Tamil (Script, Transliteration), Telugu, Thai, Tibetan, Turkish, Ukrainian, Urdu, Vietnamese, Welsh</p> <ul style="list-style-type: none"> <li>• QuickType keyboard support with predictive input</li> </ul>		

	<p>English (Australia, Canada, India, Singapore, UK, U.S.), Chinese (Simplified, Traditional), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian, Japanese, Korean, Russian, Spanish (Latin America, Mexico, Spain), Portuguese (Brazil, Portugal), Thai, Turkish</p> <ul style="list-style-type: none"> <li>• Siri languages English (Australia, Canada, India, Ireland, New Zealand, Singapore, South Africa, UK, U.S.), Spanish (Chile, Mexico, Spain, U.S.), French (Belgium, Canada, France, Switzerland), German (Austria, Germany, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Cantonese (Mainland China, Hong Kong), Arabic (Saudi Arabia, United Arab Emirates), Danish (Denmark), Dutch (Belgium, Netherlands), Finnish (Finland), Hebrew (Israel), Malay (Malaysia), Norwegian (Norway), Portuguese (Brazil), Russian (Russia), Swedish (Sweden), Thai (Thailand), Turkish (Turkey)</li> <li>• Dictation languages English (Australia, Canada, India, Indonesia, Ireland, Malaysia, New Zealand, Philippines, Saudi Arabia, Singapore, South Africa, United Arab Emirates, UK, U.S.), Spanish (Argentina, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Panama, Paraguay, Peru, Spain, Uruguay, U.S.), French (Belgium, Canada, France, Luxembourg, Switzerland), German (Austria, Germany, Luxembourg, Switzerland), Italian (Italy, Switzerland), Japanese, Korean, Mandarin (Mainland China, Taiwan), Cantonese (Mainland China, Hong Kong, Macao), Arabic (Kuwait, Qatar, Saudi Arabia, United Arab Emirates), Catalan, Croatian, Czech, Danish, Dutch (Belgium, Netherlands), Finnish, Greek, Hebrew, Hindi (India), Hungarian, Indonesian, Malaysian, Norwegian, Polish, Portuguese (Brazil, Portugal), Romanian, Russian, Shanghainese (Mainland China), Slovakian, Swedish, Thai, Turkish, Ukrainian, Vietnamese</li> <li>• Definition dictionary support English, Chinese (Simplified, Traditional), Danish, Dutch, French, German, Hebrew, Hindi, Italian, Japanese, Korean, Norwegian, Portuguese, Russian, Spanish, Swedish, Thai, Turkish</li> <li>• Thesaurus English (UK, U.S.)</li> <li>• Bilingual dictionary support Arabic, Chinese (Simplified), Dutch, French, German, Hindi, Italian, Japanese, Korean, Portuguese, Russian, Spanish</li> <li>• Spell check English, French, German, Italian, Spanish, Danish, Dutch, Finnish, Korean, Norwegian, Polish, Portuguese, Russian, Swedish, Turkish</li> </ul>	
<b>Audio Playback</b>	<ul style="list-style-type: none"> <li>• Audio formats supported: AAC (8 to 320 Kbps), Protected AAC (from iTunes Store), HE-AAC, MP3 (8 to 320 Kbps), MP3 VBR, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), Audible (formats 2, 3, 4, Audible Enhanced Audio, AAX, and AAX+), Apple Lossless, AIFF, and WAV</li> <li>• User-configurable maximum volume limit</li> </ul>	
<b>TV and Video</b>	<ul style="list-style-type: none"> <li>• Airplay Mirroring, photos, audio, and video out to Apple TV (2nd generation or later)</li> <li>• Video mirroring and video out support: Up to 1080p through Lightning Digital AV Adapter and Lightning to VGA Adapter (adapters sold separately)</li> </ul>	

	<ul style="list-style-type: none"> <li>Video formats supported: H.264 video up to 4K, 30 frames per second, High Profile level 4.2 with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio or Dolby Audio up to 1008 Kbps, 48kHz, stereo or multichannel audio, in .m4v, .mp4, and .mov file formats; MPEG-4 video up to 2.5 Mbps, 640 by 480 pixels, 30 frames per second, Simple Profile with AAC-LC audio up to 160 Kbps per channel, 48kHz, stereo audio or Dolby Audio up to 1008 Kbps, 48kHz, stereo or multichannel audio, in .m4v, .mp4, and .mov file formats; Motion JPEG (M-JPEG) up to 35 Mbps, 1280 by 720 pixels, 30 frames per second, audio in ulaw, PCM stereo audio in .avi file format</li> </ul>
<b>Mail Attachment Support</b>	<ul style="list-style-type: none"> <li>Viewable document types .jpg, .tiff, .gif (images); .doc and .docx (Microsoft Word); .htm and .html (web pages); .key (Keynote); .numbers (Numbers); .pages (Pages); .pdf (Preview and Adobe Acrobat); .ppt and .pptx (Microsoft PowerPoint); .txt (text); .rtf (rich text format); .vcf (contact information); .xls and .xlsx (Microsoft Excel); .zip; .ics</li> </ul>
<b>Environmental Requirements</b>	<ul style="list-style-type: none"> <li>Operating ambient temperature: 32° to 95° F (0° to 35° C)</li> <li>Nonoperating temperature: -4° to 113° F (-20° to 45° C)</li> <li>Relative humidity: 5% to 95% noncondensing</li> <li>Operating altitude: tested up to 10,000 feet (3000 m)</li> </ul>
<b>Warranty and Support</b>	<ul style="list-style-type: none"> <li>Extended Warranty for 3 years</li> <li>The bidder shall warrant that the equipment/product is free from defects and that the bidder shall undertake immediate remedy as soon as is technically feasible</li> </ul>
<b>QUANTITY</b>	<b>3 UNITS</b>
<b>State Country of Origin and relevant Brochure</b>	

**BIDDERS MUST COMPLY WITH THE MINIMUM TECHNICAL REQUIREMENTS BEFORE BEING SUBJECTED TO FINANCIAL EVALUATION.**

**FOR UNIFORMITY OF BRAND BIDDERS MUST BID FOR THE FIVE LOTS. PARTIAL DELIVERY WILL NOT BE ALLOWED WITHIN A LOT**

#### **4) DELIVERY PERIOD**

Bidders are required to deliver the IT Equipment and related software within period of 30 days from the date of signing the contract. State the delivery Period. **Time is of essence.**

#### **5) PAYMENT TERMS:**

Payment shall be upon Supply Installation, testing, Commissioning and handover and the currency shall be in ZAR

#### **6) CONFIDENTIALITY AND PROPRIETARY INTERESTS**

The contractor shall not either during the term or after termination of the assignment, disclose any proprietary or confidential information related to the assigned service without prior written consent. Proprietary interests on all materials and documents prepared by the contractor under the assignment shall become and remain properties of the APRM.

## 7) GENERAL INFORMATION

Procurement of goods and services will be advertised on an equal opportunity APRM will enter into a contract with the successful bidder

## 8) FINANCIAL PROPOSAL

### SUPPLY, INSTALLATION, TESTING AND COMMISSIONING INFORMATION TECHNOLOGY EQUIPMENT (IT) AND RELATED SOFTWARE

No.	ITEM DESCRIPTION	QUANTITY	UNIT PRICE (ZAR)	TOTAL- ZAR
1	DESKTOP SYSTEM (IOS)	2		
2	DESKTOP SYSTEMS (WINDOWS)	2		
3	TABLET & NOTEBOOK (HYBRID)	1		
4	TABLET (WINDOWS)	2		
5	TABLET (IOS)	3		

### SUBMISSION OF BIDS

Bids must be submitted through Email: [tender@aprm-au.org](mailto:tender@aprm-au.org) on or before [1100 hours] on [14<sup>th</sup> August 2019] and the bid price should be valid for a period of 90 days from the date of tender opening.

Bids will be opened in the presence of bidders' representatives who choose to attend at [1100 hours 14<sup>th</sup> August 2019] at the offices of:

#### For any clarification may contact:

##### Project Coordinator

African Peer Review Mechanism

Private Bag x09, Halfway House, 1685

Physical Address: 230 15th Street, Randjies Park, 1st Floor

Midrand, South Africa

Tel: +27 11 256 3400/01/29

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E-mail: [tenderinfo@aprm-au.org](mailto:tenderinfo@aprm-au.org)