



**BID BULLETIN 01**

**Date:** 09 March 2022

**Project Title:** Procurement of Equipment for Smart Campus (GOODS-22-18)

**Location:** VSU Main, Visca, Baybay City, Leyte

Bidders are hereby informed/reminded of the following addendums/amendments/clarifications:

**I. LIST OF REQUIREMENTS**

<b>(1st Envelope) TECHNICAL COMPONENT ENVELOPE</b>	
<i>Legal Documents</i>	
1	PhilGEPS Certificate of Registration (Platinum)
	or
	a. Registration Certificate (SEC, DTI or CDA)
	b. Mayor's/Business Permit
	c. Tax Clearance
<i>Technical Documents</i>	
2	Statement of All On-Going Government & Private Contracts
3	Statement of Bidder's Single Largest Completed Contract (at least 50% of the ABC or Php <b>3,977,785.72</b> .)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 3,977,785.72 and the largest of which should be at least PhP <b>1,988,892.86</b>
4	Bid Security
5	Technical Specifications
6	SCHEDULE of Requirements/Production and delivery schedule
7	Manpower Requirements
8	After Sales service/parts from acceptance of delivered goods (at least 1 year for equipment and 3 months for supplies)
9	Original Duly Signed Omnibus Sworn Statement
<i>Financial Documents</i>	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least Php <b>7,955,571.43</b> )
	Or
	Committed Line of Credit (at least Php <b>795,557.14</b> )
<b>(2<sup>nd</sup> Envelope) FINANCIAL COMPONENT ENVELOPE</b>	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed and accomplished Price Schedule(s)



**Please take note:**

In the **Technical Specifications**, bidders must state either “Comply” or “Not Comply” **against each of the individual parameters of the specifications** per item stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in the **Bidders Bid** and cross-referenced to that evidence. Evidence shall be in the form of **manufacturer’s un-amended sales literature (Data Sheets), unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, and Brand and Model** as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of **ITB** Clause 3.1(a)(ii) and/or **GCC** Clause 2.1 (a)(ii).

**II. Preparation of Electronic Bid (for bidders who prefer electronic bid submission)**

1. **Scan per document** into Portable Document Format (PDF) and should be printable.
2. Properly label all scanned documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

<b>Document</b>	<b>Filename (in PDF form)</b>
1. PhilGEPS Certificate of Registration (Platinum)	PhilGEPS
2. Registration Certificate (SEC/DTI)	Registration Certificate
3. Mayor’s/Business Permit	Mayor’s-Business Permit
4. Tax Clearance	Tax Clearance
5. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
6. Statement of Bidder's Single Largest Completed Contract	SLCC
7. Statement of at least two (2) similar completed contracts	Statement of Completed Contracts
8. Bid Security	Bid Security
9. Technical Specifications	Technical Specifications
10. SCHEDULE of Requirements/Production and delivery schedule	Schedule of Requirements
11. Manpower Requirements	Manpower Requirements
12. After Sales service/parts	After Sales
13. Omnibus Sworn Statement	Omnibus Sworn Statement
14. Audited Financial Statements	Audited Financial Statements
15. Net Financial Contracting Capacity	NFCC
16. Committed Line of Credit	CLC
17. Bid Form	Bid Form
18. Price Schedule	Price Schedule

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII.

The second folder should contain all requirements under Financial Component checklist.



4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Ms. Jessamine C. Ecleo at [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph) before the deadline.

**III. Changes in the Bidding Documents**

Original	
<p><b>Section I. Invitation to Bid</b></p> <p>6. A complete set of Bidding Documents may be acquired by interested Bidders on <i>28 February – 21 March 2022 until 8:30 AM</i> from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.</p>	<p><i>(Amendment)</i></p> <p>A complete set of Bidding Documents may be acquired by interested Bidders on <i>28 February – 21 March 2022 until 8:30 AM</i> from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means:</p> <p style="padding-left: 40px;">The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.</p> <p style="padding-left: 40px;">The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details:</p> <p style="padding-left: 40px;">Account Name: Visayas State University Fund 164 Account Number: <u>3572-1000-13</u></p> <p style="padding-left: 40px;">Then send the deposit slip to <a href="mailto:jessamine.ecleo@vsu.edu.ph">jessamine.ecleo@vsu.edu.ph</a></p>
<p><b>Section II. Instructions to Bidders</b></p> <p>15. Sealing and Marking of Bids</p>	<p><i>(Additional Instructions)</i></p> <p>Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2.</p> <p>For filing purposes, the bidders are urged to use <b>Orange</b> envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.</p>



**IV. Revised List of Goods and Technical Specifications**

- Some Specifications were added (in red font) and/or deleted (in blue font)
- Some Quantities and Unit Prices (ABC) were changed

Item No.	Description	Unit	Qty	ABC/Unit	Total ABC
1	<b>1 Lot Containerized Data Center</b>	<b>lot</b>	<b>1</b>	<b>5,000,000.00</b>	<b>5,000,000.00</b>
	<b>UPS</b>				
	15kVA/15kW Rack-mountable Online UPS, 230V (1 unit)				
	Rack-mount kit (1 unit)				
	24 x 7 Power Up Service (1 unit)				
	External Battery Pack, Rack-mounted, 192V with rail kit (1 unit)				
	Start-up service, 24x7 (1 unit)				
	<b>Data Cabinet and Accessories</b>				
	42U Server Rack Enclosure 600mm x 1070mm w/ Sides, Black Color (2 units)				
	42U 750mm Wide x 1070mm Deep Enclosure with Sides, Black Color (1 unit)				
	Vertical Cable Manager for 750mm Wide 42U (2 units)				
	Hinged Covers 750mm Wide 42U Vertical Cable Manager (2 units)				
	Vertical Cable Manager for 600mm Wide 42U (2 units)				
	1U 19-inch Black Modular Toolless Blanking Panel (10 units, 5 sets per unit)				
	Basic Rack PDU, Zero U, 16A, 230V, (20 outlets)C13 & (4 outlets)C19, IEC C20 (3 outlets) (3 unit for 3 racks)				
	Power Cord, C19 to C20, 2.0m (3 pcs.) with Assembly services (1)-delete				
	<b>PACU</b>				
	In-row PACU 300mm up to 30kW with humidifier (230V/1ph/60hz) (1 Unit)				
	30kW Condensing Unit, (400V/3ph/60Hz), Single feed (1 Unit)				
	Ball Valve & Union (1 Unit)				
	with testing, commissioning, Start-up and assembly service, 24x7 (1 lot)				
	With Semi-annual Preventive Maintenance for 1 year, 24x7 (1 lot)				
	Risk contingency (1 lot)				
	<b>Container Van (1 Unit)</b>				
	20 Footer Container Van w/ Steel door with hinges and stainless steel door knob				
	Insulation				
	Cable entry/feed through provision				
	Electrical outlet provisions and lighting				
	Hauling and positioning				
	<b>Engineering Services (1 lot)</b>				
	with installation				
	Suppliers should follow the Terms of Reference set by the end-user				



2	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction - Audio Component -</b>	lot	1	130,000.00	130,000.00
	<b>Audio mixer (1 pc)</b>				
	4 mic XLR/line 1/4 inch jack inputs, 2 with Class A FET high impedance inputs				
	3 band EQ				
	1 pre-fade Aux send				
	1 FX send				
	Sound image pan				
	Stereo returns & playback				
	All inputs with level control				
	Responsive 3-band, swept mid EQ with MusiQ				
	2 stereo sources with MP3 player compatibility				
	Separate 2-track record outputs				
	Stereo playback input for 2-track replay				
	XLR main stereo outputs with inserts				
	Configurable USB stereo audio in/out				
	Stereo monitor outs				
	48V microphone phantom power				
	<b>Lavalier Microphone and Receiver (1 set)</b>				
	2.4GHz ISM Band Operation				
	1 x Body Pack Transmitter				
	1 x Headset Mic				
	1 x Lavalier Mic				
	1 x Half-Rack Receiver				
	Built-In 5-Band Graphic EQ				
	24-Bit Linear PCM Digital Audio				
	Intelligent Feedback Reducer				
	Includes Body Pack Belt Clip & Tie Clip				
	Includes 2 Windscreens & 2 Antennas				
	<b>2-pc Wireless Microphone Set (1 set)</b>				
	2 x PG58 Cardioid Microphone with Transmitters				
	Dual-Channel Tabletop Receiver				
	<b>3-prong cables (5 pcs)</b>				
	1 meter male-to-male XLR connector				
	<b>USB Cable (2pcs)</b>				
	2 meters Male Type A to Male Type B USB Connector				
	<b>Active Speakers (2 sets)</b>				
	600 Watts Loud Speaker with Stand				
	12-inch (305 mm) LF driver, 2-inch (50.8 mm) voice coil				
	1-inch (25.4 mm) neodymium HF compression driver				
	Standard speaker pole socket				
	Balanced XLR/TRS with selectable Mic/Line input. XLR Link Output, Contour EQ switch and Ground-Lift switch				
	<b>Microphone Stand (2 pcs)</b>				
	Tripod Floor Stand With Telescopic Boom Arm				
	2 Microphone Holder Adaptors				



<b>3</b>	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction - Video Component</b>	<b>lot</b>	<b>1</b>	<b>940,571.43</b>	<b>940,571.43</b>
	<b>PTZ Camera - With Auto-Tracking Software (1 set)</b>				
	<i>1/2,3-Type MOS</i>				
	<i>30 x optical zoom (10x digital zoom + Digital Extender)</i>				
	<i>PoE+ Support</i>				
	<i>Audio input function</i>				
	<i>Night Mode*1 - Supports automatic switching</i>				
	<i>High Dynamic Range (HDR) mode</i>				
	<i>Video Output: HDMI</i>				
	<i>HDMI Video Output Format: 1080/50p, 1080/59,94p, 1080/50i, 1080/59.94i, 1080/25ü, 1080/29.97p, 1080/25psF, 1080/29.97psF, 720/50p, 720/59.94p</i>				
	<i>Freeze During Preset Function</i>				
	<i>IP connection allows control of up to 100 AW-HE40H/S units by using AW-RP50E</i>				
	<i>IP Image output function allows Image monitoring by IP connection with a PC</i>				
	<i>RS422, RS232C In/Out</i>				
	<i>With Compatible Auto-Tracking Software</i>				
	<b>PTZ Camera (2 sets)</b>				
	<i>1/2,3-Type MOS</i>				
	<i>30 x optical zoom (10x digital zoom + Digital Extender)</i>				
	<i>PoE+ Support</i>				
	<i>Audio input function</i>				
	<i>Night Mode*1 - Supports automatic switching</i>				
	<i>High Dynamic Range (HDR) mode</i>				
	<i>Video Output: HDMI</i>				
	<i>HDMI Video Output Format: 1080/50p, 1080/59,94p, 1080/50i, 1080/59.94i, 1080/25ü, 1080/29.97p, 1080/25psF, 1080/29.97psF, 720/50p, 720/59.94p</i>				
	<i>Freeze During Preset Function</i>				
	<i>IP connection allows control of up to 100 AW-HE40H/S units by using AW-RP50E</i>				
	<i>IP Image output function allow</i>				
	<b>PTZ Camera Controller (1 pc)</b>				
	<i>Compatible to PTZ Camera</i>				
	<i>Large touch-panel LCD screen for monitoring and menu setting</i>				
	<i>Joystick for one-handed operation</i>				
	<i>Simplified PTZ camera presets and tracing memory</i>				
	<i>Intuitive design elements based on direct feedback from everyday robotic camera operators</i>				
	<i>3G-SDI Active Through Output, 5 x RS-422, LAN PoE+, 2 x GPIOs</i>				
	<b>Video Mixer (1 pc)</b>				
	<i>8-Channel HDMI Live Streaming Switcher</i>				
	<i>Supports up to 1080p60</i>				



	<i>RTMP Streaming via Ethernet or USB-C</i>				
	<i>Record Program Out and Individual Inputs</i>				
	<i>11-Input, 2-Channel Audio Mixer</i>				
	<i>Input Frame Rate and Format Converter</i>				
	<i>Re-Sync on All HDMI Inputs</i>				
	<i>HD Multiview Output with up to 16 Views</i>				
	<i>Local and Software Switching</i>				
	<i>4 x Upstream, 2 x Downstream Keyers</i>				
	<b>CAT6 Cables for PTZ (1 spool)</b>				
	<i>CAT 6 UTP</i>				
	<i>CAT 6 Cable, 4 Pair, 23 AWG, Solid Bare Copper Conductor, U/UTP, PO Insulation, PVC Jacket, Indoor</i>				
	<i>PVC - Polyvinyl Chloride</i>				
	<i>ISO/IEC 11801</i>				
	<i>TIA 568.2-D Category 6</i>				
	<i>NEMA WC-63.1 Category 6, UL verified to Category 6</i>				
	<i>Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital</i>				
	<i>Video, RS-422, 250MHz Category 6</i>				
	<b>Backup HD Cameras (3 sets)</b>				
	<i>1080p Video at 60 fps</i>				
	<i>1/5.8" BSI MOS Sensor</i>				
	<i>50x Optical Zoom &amp; 90x Intelligent Zoom</i>				
	<i>5-Axis HYBRID O.I.S.+ and Level Shot</i>				
	<i>2.7" Touchscreen LCD</i>				
	<b>HDMI Cables (6 pcs)</b>				
	<i>3 meters</i>				
	<b>HDMI-over-IP Extenders (6 sets)</b>				
	<i>120m Over Cat5/5e/6</i>				
	<i>IP/TCP Support 1080P</i>				
	<b>Tripods (6 pcs)</b>				
	<i>Slim-Profile Tripod</i>				
	<i>Folded Width: 3.2", Folded Length: 20.1"</i>				
	<i>Load Capacity: 8.8 lb</i>				
	<i>Max Height: 57.6", Min Height: 15.7"</i>				
	<i>Leg Sections: 4, Weight: 2.2 lb</i>				
	<i>Reversible, Rapid Column</i>				
	<i>Carbon-Fiber Legs, Rubber Feet</i>				
	<i>1/2-Turn Twist Locks, Bubble Level</i>				
	<i>Magnesium-Alloy Ball Head, 90° Tilt</i>				
	<i>360° Pan, Arca-Type Compatible Clamp</i>				
	<b>Installation, Testing, &amp; Commissioning</b>				
<b>4</b>	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction Classroom and Studio Component</b>	<b>lot</b>	<b>1</b>	<b>615,000.00</b>	<b>615,000.00</b>
	<b>LED Soft panel lights (8 sets)</b>				
	<i>Measures: 8.5 x 10 x 2.5"</i>				
	<i>Beam Angle: 120°</i>				
	<i>Color Temperature: 3200-5600K, CRI: 95</i>				
	<i>110 to 240 VAC Adapter, Battery Option</i>				



	0-100% Dimming, Flicker-Free				
	Includes 4-Leaf Barndoor, Soft Diffuser				
	<b>LED Fresnel Spot lights (8 sets)</b>				
	Up to 50W / 3500K LED Source				
	Barndoors and Gel Frame Included				
	Power-Link up to 26 Units at 230V				
	Power Cord Included				
	<b>Lighting brackets, clamps, and accessories (1 set)</b>				
	To install LED soft panel lights, Fresnel spot lights, and Green Screen in venue as designed by the end-user				
	<b>Green Screen Setup (1 set)</b>				
	Covers half of a 10m W x 10m L x 4 m H diamond room including the floor				
	Can be retractable for non-green screen uses				
	With mounts attached to the room ceiling and walls				
	<b>Rolling TV cart with wheels (2 pcs)</b>				
	Heavy duty for 40" televisions				
	<b>Smart OLED/QLED TV at least 85" (1 unit)</b>				
	Flat screen measuring from 75 to 90" diagonally				
	Up to 4K Ultra HD resolution				
	Native aspect ratio: 16:9				
	With Airplay 2				
	Internet over WiFi or LAN				
	With Smart functionalities				
	Ports: Ethernet/LAN, USB, HDMI				
	<b>40" Television (2 units)</b>				
	Smart HD TV measuring 40" diagonally				
	Native aspect ratio: 16:9				
	With Airplay 2				
	Internet over WiFi or LAN				
	With Smart functionalities				
	Ports: Ethernet/LAN, USB, HDMI				
	<b>HDMI Cables (2 pcs)</b>				
	3 meters				
	<b>Installation, Testing, &amp; Commissioning</b>				
<b>5</b>	<b>Interactive Smart Classroom Setup for Mixed Virtual and Face-to-Face Instruction Computer Component</b>	<b>lot</b>	<b>1</b>	<b>550,000.00</b>	<b>550,000.00</b>
	<b>Class Laptop Computer (1 unit)</b>				
	<i>Integrated 8-core CPU, 8-core GPU, and 16-core Neural Engine</i>				
	<i>16GB unified memory</i>				
	<i>512GB SSD storage</i>				
	<i>13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors</i>				
	<i>Backlit Keyboard - US English</i>				
	<i>Two Thunderbolt / USB 4 ports</i>				
	<b>Production Laptop Computer (1 unit)</b>				
	<i>Integrated 10-core CPU, 32-core GPU, and 16-</i>				





core Neural Engine				
64GB unified memory				
1TB SSD storage				
16.2-inch (diagonal) XDR display; 3456-by-2234 native resolution at 254 pixels per inch				
Three Thunderbolt 4 ports, HDMI port, SDXC card slot				
140W USB-C Power Adapter				
Backlit Keyboard				
<b>Technical Desktop Computer (1 set)</b>				
AMD Ryzen 7 high end processor 8 Core Processor upto 3.7Ghz clock speed				
16GB DDR4 3200MHz RGB RAM				
B450 feature-rich motherboard				
Dedicated NVIDIA graphics card, VR-ready				
500GB high speed NVMe SSD storage				
1TB HDD 7200rpm				
750W 80+ gold rated power supply				
Windowed case, tempered glass side panel				
Genuine Windows 10 Pro.				
With Pre installed Declink 4k SDI Capture Card used for livestream and video capture				
28" 4K UHD Monitor				
Optical Mouse				
USB keyboard with backlight				
<b>Tablet Set (1 set)</b>				
Multi-Touch Tablet				
12.9-inch (diagonal) mini-LED-backlit Multi-Touch display with IPS technology				
2732-by-2048-pixel resolution at 264 pixels per inch (ppi)				
Integrated Chip with 8-core CPU with 4 performance cores and 4 efficiency cores, 8-core GPU and 16-core Neural Engine				
512 GB storage				
WiFi model				
USB-C Charge Cable (1 meter)				
20W USB-C Power Adapter				
Pro camera system: Wide and Ultra Wide cameras				
Wide: 12MP, f/1.8 aperture				
Ultra Wide: 10MP, f/2.4 aperture, and 125° field of view				
2x optical zoom out				
Digital zoom up to 5x				
Compatible Stylus through Bluetooth Connection				
Length: 6.53 inches (166 mm)				
Diameter: 0.35 inch (8.9 mm)				
Weight: 0.73 ounce (20.7 grams)				
Compatible Keyboard				
Backlit keys with scissor mechanism				
Designed for Multi-Touch gestures and the cursor				
USB-C port for charging tablet				



	Foldable into case				
	<b>HDMI Capture Card (2 pcs)</b>				
	Input interface: HDMI input with loop out				
	HDMI input format: comply with HDMI3.1 standard.				
	Host interface: USB2.0, *40MB/s transmission bandwidth				
	Input interface: 1 HDMI interface				
	HDMI video input: HDMI video input 1 channel 1080P/60Hz HDMI HD				
	HDMI input format: Comply with HDMI 1.4a standard, support 1080p/60Hz 8-bit, (RGB, YUV)				
	HDMI output interface: 1 HDMI output port, 1920x1080 frame, 4K-30FPS				
	USB output format: 640x480-1920x1080.				
	Frame rate: 60 fps				
	Audio input interface: LINE IN3.5MM audio input				
	Video sampling rate: HDMI: 165MHz				
	Audio and video capture: Comply with UVC (USB video class), UAC (USB audio class) specifications				
	Support resolution: 4096*2160p and 1920*1080p standard resolution				
	Operating system support: supports x86 and x64 versions of the following operating				
	Onboard memory: 64MB DDR2, working frequency is 300 MHz, bit width is 16bit				
	Color:Black				
	Size:6*6*1.3cm				
	Compatible development interface: "DirectShow (Windows), DirectSound (Windows), V4L2 (Linux), ALSA (Linux)"				
	Onboard memory: 64MB DDR2, working frequency is 300 MHz, bit width is 16bit				
	Upgrade: the firmware can be upgraded				
	Power consumption: <= 3.5W				
	<b>HDMI Splitter (2 pcs)</b>				
	DC 5V power supply				
	HDMI Input to 4 HDMI outputs				
	<b>UPS (1 unit)</b>				
	Output Power Capacity: 325 Watts/650VA				
	Output Frequency: 50/60 Hz +/-1 Hz				
	Output Connections: (2) Universal Receptacle				
	Nominal Input Voltage: 230V				
	Input Connections: NEMA 5-15P				
	Maximum Input Current: 5A				
	Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leakproof				
	Recharging Time				
<b>6</b>	<b>QR Code scanner Android OS</b>	<b>unit</b>	<b>40</b>	<b>18,000.00</b>	<b>720,000.00</b>
	▣ OS: Android				
	▣ CPU Speed: 2 GHz				



☑CPU Type: Octa-Core				
☑Display: Resolution (Main Display): 2000 x 1200 (WUXGA+)				
☑Color Depth (Main Display): 16M				
☑Technology (Main Display): TFT				
☑Form Factor: Tablet				
☑Camera: Rear Camera - Resolution: 8.0 MP				
☑Front Camera - Resolution 5.0 MP				
☑Rear Camera - Auto Focus: Yes				
☑Video Recording Resolution:FHD (1920 x 1080) @ 30fps,				
☑Memory: RAM: 3GB				
☑External Memory Support: MicroSD (Up to 1TB)				
☑ROM Size: 64GB				
☑Sensors: Accelerometer, Gyro, Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor				
☑Battery Capacity: mAh, Typical 7040				
☑Network/Bearer: GSMGSM850, GSM900, DCS1800, PCS1900, 3G UMTSB1 (2100), B2 (1900), B4 (AWS), B5 (850), B8 (900), 4G FDD LTEB1 (2100), B2, (1900), B3 (1800), B4 (AWS), B5, (850), B7 (2600), B8 (900), B12,(700), B17 (700), B20 (800), B28, (700), B66 (AWS-3),4G TDD LTEB38 (2600), B40,(2300),				
☑Connectivity: Location Technology GPS, Glonass, Beidou, Galileo USB Version USB 2.0				
☑Earjack3.5mm				
☑Stereo				
☑1Wi-Fi802.11 a / b / g / n / ac				
☑2.4G+5GHz, VHT80				
☑Bluetooth Version Bluetooth v5.0				
☑Bluetooth ProfilesA2DP, AVRCP,				
☑DI, HFP, HID, HOGP, HSP, MAP,OPP, PAN, PBAP				
☑PC Sync. Smart Switch (PC version)				
☑Audio and Video: Video Playing				
☑FormatMP4, M4V, 3GP, 3G2, WMV, ASF, AVI, FLV, MKV,WEBM				
☑Audio Playing FormatMP3, M4A,3GA, AAC, OGG, OGA, WAV,WMA, AMR, AWB, FLAC, MID,MIDI, XMF, MXMF, IMY, RTTTL,RTX, OTA				
☑Video Playing Resolution FHD(1920 x 1080) @ 60fps				
			<b>TOTAL:</b>	<b>7,955,571.43</b>

(Sgd.)  
**DILBERTO O. FERRAREN**  
BAC Chairman