Republic of the Philippines
University of the Philippines Mindanao
Mintal, Tugbok District, Davao City
Tel No. (082) 293-0016 local 103 Fax No. 293-0185
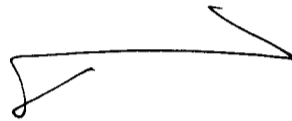
Date: 5 December 2016

ADDENDUM NO. __02-2016__
Name of Contract: **Supply and Installation of Voice Over IP (VOIP) System**

This Addendum is issued to change the Technical Specifications per attached list.

For guidance and information of all concerned.

ANTONIO R. OBSIOMA, Ph.D.
Chair, Bids & Awards Committee

DESCRIPTION	QTY	BID BULLETIN 1	BID BULLETIN 2
Core VOIP PBX/SIP Server (integrated with 16 ports FXO) - Should be rack mountable - Should be compatible with Traditional Analog PBX(Panasonic TES-824) (should be configured and working) - Should work with our existing analog FAX Machine - Should be compatible with our existing Polycom VVX 1500 IP Phones - SIP Trunking capable to connect with other UP Campus - Compatible with our existing fxs gateway: (should be configured and working) 1. WELLGATE FXS-08 2. WELLGATE FXS-2424s - Should have GSM Gateway capabilities - Should be scalable and modular: - Integrated with at least 4 GSM Channels - support FXS Ports - support BRI Ports - support 3G/UMTS CHANNEL - Should support phone auto-provisioning - Users: at least 100 users (scalable) - Concurrent Calls: at least 40 (scalable) - Support LAN 10/100/1000 Mbps - Support WAN 10/100/1000 Mbps - Support IP Services Static IP, DHCP, VPN, Firewall, VLAN, DDNS, PPPoE, QoS, Static NAT, STUN - Support Voicemail 10000 min (expandable) - Support T.38 Fax - Support USB - Three-Year Warranty Included FEATURES but not limited to: 1. Attended Transfer 2. Automated Attendant (IVR) 3. Attended Transfer 4. Auto CLIP 5. Blind Transfer 6. Blacklist/Whitelist 7. Call Back 8. Call Detail Records (CDR) 9. Call Forwarding 10. Call Monitor	1		**Core VOIP PBX/SIP Server (integrated with 16 trunklines (PLDT lines))** - Should be rack mountable - Should be compatible with Traditional Analog PBX(Panasonic TES-824) (should be configured and working) - Should work with our existing analog FAX Machine - Should be compatible with our existing Polycom VVX 1500 IP Phones - SIP Trunking capable to connect with other UP Campus - Compatible with our existing fxs gateway: (should be configured and working) **or can offer replacement to support the use of existing fxs gateway** 1. WELLGATE FXS-08 2. WELLGATE FXS-2424s - Should have GSM Gateway capabilities - Should be scalable and modular: - Integrated with at least 4 GSM Channels - support FXS Ports - support BRI Ports - support 3G/UMTS CHANNEL - Should support phone auto-provisioning - Users: at least 100 users (scalable) - Concurrent Calls: at least 40 (scalable) - Support LAN 10/100/1000 Mbps - Support WAN 10/100/1000 Mbps - Support IP Services Static IP, DHCP, VPN, Firewall, VLAN, DDNS, PPPoE, QoS, Static NAT, STUN - Support Voicemail 10000 min (expandable) - Support T.38 Fax - Support USB - Three-Year Warranty Included FEATURES but not limited to: 1. Attended Transfer 2. Automated Attendant (IVR) 3. Attended Transfer 4. Auto CLIP 5. Blind Transfer 6. Blacklist/Whitelist 7. Call Back 8. Call Detail Records (CDR) 9. Call Forwarding 10. Call Monitor

1. Call Pickup
12. Call Recording
13. Call Routing
14. Conference
15. Custom Prompt
16. Dial by Name
17. DISA
18. Distinctive Ringtone
19. DNIS
20. Do Not Disturb (DND)
21. Event Center
22. Fax to Email
23. Follow Me
24. LDAP
25. Mobility Extension
26. Multi-language System Prompt
27. Multi-language Web GUI
28. Music on Hold
29. One Touch Recording
30. Queue
31. PIN List
32. Real-time Status Monitor
33. Ring Group
34. SIP Forking
35. Skype Integration
36. Speed Dial
37. Time Condition
38. User Portal
39. User Permission
40. Video Calls
41. Voicemail
42. Voicemail to Email
43. Voicemail Forwarding
44. Paging/Intercom
45. 1 Stage/2 Stage Dial
46. Call Duration Limitation
47. Call Status Display
48. Call Waiting
49. Carrier Selection: Auto/Manual
50. Firmware upgrade by HTTP/TFTP
51. GSM/CDMA/UMTS Ports Group Manage
52. Incoming /Outgoing Routing rules
53. Network Attack Alert
54. Open API for SMS and USSD
55. PIN Modify
56. Send Bulk SMS
57. SIP Peer Mode: Support

Specification	Qty
58. SIP server for IP phones: Support 59. SMS Center 60. System Logs 61. VoIP Trunk Group 62. White List and Black List 63. Balance Alarm 64. Call Detail Record (CDR) 65. Call Progress Tone Generation 66. Call Transfer 67. Caller ID/CLIR 68. Configure backup/restore 69. Gain Adjustment 70. Hotline 71. IP Blacklist 72. NTP 73. Packet Capture 74. Real Open API Protocol (Based on Asterisk) 75. Session Timer 76. SIP Response Code Switch 77. SIP Trunk: Support 78. SMS Sending and Receiving 79. USSD 80. Web based configuration	
POE+, 24 ports, layer 2, 10/100 mbps, 2 SF module ports Layer 2 Manageable type switch 24 Ports (10/100Mbps) Autosensing Ports Power over Ethernet (PoE+) 1 RJ-45 Serial Console Port 2 Mini-GBIC SFP Ports 2 Gigabit Ethernet (10/100/1000BaseT) Ports Include the corresponding patch panels	14
POE+, 8 ports, layer 2, 10/100 mbps, 2 SF module ports Layer 2 Manageble type switch 8 Ports (10/100Mbps) Autosensing Ports Power over Ethernet (PoE+) 1 RJ-45 Serial Console Port 2 Mini-GBIC SFP Ports 2 Gigabit Ethernet (10/100/1000BaseT) Ports Include the corresponding patch panels	3

Specification	Quantity
VOIP Standard Phone HD Audio/Sound Support the features of the VOIP PBX/SIP Server PoE support Graphical LCD with Backlight Up to 2 SIP accounts support phone auto provisioning Local 3-way conferencing Headset support Full-duplex speakerphone Two-port 10/100M Ethernet Switch	32 – 60 Quantity: 39 – 60
UPS, 6 KVA/4.8KW Rack Mounted 2 yrs warranty 4-post Rack-mounting Telescoping Rack Slide Kit SNMP Web card Start guide, user manual. Remote configuration software Hardwired standard; optional PODs with various NEMA receptacles Built-in Bypass 220 - 240 V Input voltage Circuit Breaker for Circuit protection Battery Type: Maintenance-free sealed Lead-Acid battery: leakproof Recharge time: 5 hours to 90% capacity LCD status / configuration display Yes, On Inverter, On Bypass, On Battery, Fault, ECO Mode, Outlet Groups On/Off (1) IntelliSlot, (1) fax port Type B, (1) DB9F Configurable audible alarm 150 Joules Surge Energy Rating	2
UPS, 6 KVA/4.8KW Rack Mounted 2 yrs warranty 4-post Rack-mounting Telescoping Rack Slide Kit SNMP Web card Start guide, user manual. Remote configuration software Hardwired standard; optional PODs with various NEMA receptacles Built-in Bypass 220 - 240 V Input voltage Circuit Breaker for Circuit protection Battery Type: Maintenance-free sealed Lead-Acid battery: leakproof Recharge time: 5 hours to 90% capacity LCD status / configuration display Yes, On Inverter, On Bypass, On Battery, Fault, ECO Mode, Outlet Groups On/Off (1) IntelliSlot, (1) fax port Type B, (1) DB9F Configurable audible alarm 150 Joules Surge Energy Rating **15 minutes standard backup time**	
UPS Battery - Replacement Battery for the Existing UPS Liebert GXT 6kVA - Model GXT 144	1
FXS Gateway / ATA - 24 ports Interfaces: 24 ports FXS Port 1 Micro USB Port 1 LAN Ethernet 10/100 BASE-T Should support the features of Core VOIP PBX/SIP Server Should support analog phones and fax machine	1

Specification	Qty
FXS Gateway / ATA - 2 ports	
Interfaces: 2 ports FXS Port	
1 Micro USB Port	
1 LAN Ethernet 10/100 BASE-T	
Should support the features of Core VOIP PBX/SIP Server	
Should support analog phones and fax machine	1
FXS Gateway / ATA - 4 ports	
Interfaces: 4 ports FXS Port	
1 Micro USB Port	
1 LAN Ethernet 10/100 BASE-T	
Should support the features of Core VOIP PBX/SIP Server	
Should support analog phones and fax machine	1
Gigabit Switch, 24 ports, 4 SFP, Layer 2 manageable	3
Server	
Rack mount	
With VGA and DVD ROM, USB Ports	
Processor: 1 CPU, *Intel® Xeon® E5-2630 v3 2.4GHz,20M Cache, 8.00GT/s QPI, Turbo,*	
HT,8C/16T (85W) Max Mem 1866Mhz	
Memory : 2 x 16GB RDIMM, 2133mt/S, Dual Rank	
Hard Drive: 2 x 600GB 15K RPM SAS 6Gbps 2.5 Hot-plug Hard Drive	
PSU : Dual, Hot-plug Power Supply	
Hardware RAID support	
Warranty : 3yrs Pro Support, Next Business Day Onsite Service	1
Inclusion:	
On-site installation, testing and configuration of all active components	
Voice prompt recording	
Onsite Technical Training	
One (1) year warranty on hardware and software with next business day replacement for	
non-working/ malfunctioning active components	
Documentation of Configuration	
Escalation Procedure:	
Remote technical support (2 yrs , 24 x 7).	
Next business day onsite technical support for configuration, reinstallation and major	
problems (2 years).	
Next business day replacement for hardware failures (1 year).	1
ABC = 2,000,000.00	**ABC = 2,055,000.00**