

(1.8.5.2.20) Yes, The digital Phones will have the following additional features: (a) Case with a built-in belt clip for firm attachment to a waist belt or purse strap.

6. The digital Phones shall have the following additional features:
(b) Over-the-ear handsfree headset. **[Amendment 4, J.5.2 Set No.41]**

(1.8.5.2.21) Yes, The digital Phones will have the following additional features: (b). Over-the-ear handsfree headset.

6. The digital Phones shall have the following additional features:
(c) Replacement battery. **[Amendment 4, J.5.2 Set No.41]**

(1.8.5.2.22) Yes, The digital Phones will have the following additional features: (c). Replacement battery.

Set No. 42: Offeror shall propose a priceable SED for CPCS that shall meet the following functional requirements: **[J.5.2 (Set No.42)]**

(1.8.5.2.23) Yes, AT&T will propose a priceable SED for CPCS that will meet the following functional requirements

1. shall provide a CPCS SED that is commercially available and that is of a hinged design form (clamshell design). **[J.5.2 (Set No.42) (1)]**

(1.8.5.2.24) Yes, AT&T will provide a CPCS SED that is commercially available and that is of a hinged design form (clamshell design).

2. shall use any one, or a combination of, the following digital wireless networks:
a. Dual-mode 800/1900 MHz CDMA **[J.5.2 (Set No.42) (2) (a)]**

(1.8.5.2.25) See 1.8.5.2.26.

b. GSM (800/900/1800/1900 MHz) **[J.5.2 (Set No.42) (2) (b)]**

(1.8.5.2.26) Yes, AT&T will use (b.) GSM (800/900/1800/1900 MHz)

c. iDEN **[J.5.2 (Set No.42) (2) (c)]**

(1.8.5.2.27) See 1.8.5.2.26.

3. The contractor shall ensure that the proposed digital Phones support any one or both of Type I and Type II User-to-Network-Interfaces (UNIs) listed in Section C.2.14.1.3.1 in order to connect to the contractor's wireless network. **[J.5.2 (Set No.42) (3)]**

(1.8.5.2.28) Yes, AT&T will ensure that the proposed digital Phones support any one or both of Type I and Type II User-to-Network-Interfaces (UNIs) listed in Section C.2.14.1.3.1 in order to connect to AT&T's wireless network.

4. The digital Phones, as CPCS SEDs, shall deliver to the Agency subscribers the mandatory features listed in Section C.2.14.1.2.1. [J.5.2 (Set No.42) (4)]

(1.8.5.2.29) Yes, the digital Phones, as CPCS SEDs, will deliver to the Agency subscribers the mandatory features listed in Section C.2.14.1.2.1.

5. The digital Phones shall have the following additional features:
a. Memory: 1.8 MB or more [J.5.2 (Set No.42) (5)(a)]

(1.8.5.2.30) Yes, the digital Phones will have the following additional features:

a. Memory: 1.8 MB or more

5. The digital Phones shall have the following additional features:
b. external, stub, or internal antenna [J.5.2 (Set No.42) (5) (b)]

(1.8.5.2.31) Yes, the digital Phones will have the following additional features:

b. external, stub, or internal antenna

5. The digital Phones shall have the following additional features:
c. Minimum digital talk time of 3.3 hours and digital standby time up to a minimum of 8 days with options for extended battery and for lighter battery [J.5.2 (Set No.42) (5) (c)]

(1.8.5.2.32) Yes, the digital Phones will have the following additional features:

c. Minimum digital talk time of 3.3 hours and digital standby time up to a minimum of 8 days with options for extended battery and for lighter battery

5. The digital Phones shall have the following additional features:
d. A minimum of 96x65 pixels screen size with a minimum of 4096 colors [J.5.2 (Set No.42) (5) (d)]

(1.8.5.2.33) Yes, the digital Phones will have the following additional features:

d. A minimum of 96x65 pixels screen size with a minimum of 4096 colors

5. The digital Phones shall have the following additional features:
e. Built-in wireless modem [J.5.2 (Set No.42) (5) (e)]

(1.8.5.2.34) Yes, the digital Phones will have the following additional features:

e. Built-in wireless modem

5. The digital Phones shall have the following additional features:
f. Option for support of data cable [J.5.2 (Set No.42) (5) (f)]

(1.8.5.2.35) Yes, the digital Phones will have the following additional features:

f. Option for support of data cable

5. The digital Phones shall have the following additional features:
g. Keypad/scroll navigation or equivalent [J.5.2 (Set No.42) (5) (g)]

(1.8.5.2.36) Yes, the digital Phones will have the following additional features:

g. Keypad/scroll navigation or equivalent

5. The digital Phones shall have the following additional features:

h. Maximum weight of 114 grams. **[J.5.2 (Set No.42) (5) (h)]**

(1.8.5.2.37) Yes, the digital Phones will have the following additional features:

h. Maximum weight of 114 grams.

5. The digital Phones shall have the following additional features:

i. Phone book/Incoming number save/Speed dial **[J.5.2 (Set No.42) (5) (i)]**

(1.8.5.2.38) Yes, the digital Phones will have the following additional features:

i. Phone book/Incoming number save/Speed dial

5. The digital Phones shall have the following additional features:

j. Vibrate mode **[J.5.2 (Set No.42) (5) (j)]**

(1.8.5.2.39) Yes, the digital Phones will have the following additional features:

j. Vibrate mode

5. The digital Phones shall have the following additional features:

k. Email/SMS **[J.5.2 (Set No.42) (5) (k)]**

(1.8.5.2.40) Yes, the digital Phones will have the following additional features:

k. Email/SMS

5. The digital Phones shall have the following additional features:

l. Internet mini-browser **[J.5.2 (Set No.42) (5) (l)]**

(1.8.5.2.41) Yes, the digital Phones will have the following additional features:

l. Internet mini-browser

5. The digital Phones shall have the following additional features:

m. Clock/Calculator/Calendar **[J.5.2 (Set No.42) (5) (m)]**

(1.8.5.2.42) Yes, the digital Phones will have the following additional features:

m. Clock/Calculator/Calendar

5. The digital Phones shall have the following additional features:

n. Emergency position location capability in support of E-911. **[J.5.2 (Set No.42) (5) (n)]**

(1.8.5.2.43) Yes, the digital Phones will have the following additional features:

n. Emergency position location capability in support of E-911.

6. The digital Phones shall have the following additional features:

(a) Case with a built-in belt clip for firm attachment to a waist belt or purse strap. **[Amendment 4, J.5.2 Set No.42 (6)(a)]**

(1.8.5.2.44) Yes, The digital Phones will have the following additional features: (a) Case with a built-in belt clip for firm attachment to a waist belt or purse strap.

6. The digital Phones shall have the following additional features:

(b) Over-the-ear handsfree headset. **[Amendment 4, J.5.2 Set No.42 (6)(b)]**

(1.8.5.2.45) Yes, The digital Phones will have the following additional features: (b). Over-the-ear handsfree headset.

6. The digital Phones shall have the following additional features:
(c) Replacement battery. **[Amendment 4, J.5.2 Set No.42 (6)(c)]**

(1.8.5.2.46) Yes, The digital Phones will have the following additional features: (c). Replacement battery.

Set No. 43: Offeror shall propose a priceable SED for CPCS that shall meet the following functional requirements: **[J.5.2 (Set No.43)]**

(1.8.5.2.47) Yes, AT&T will propose a priceable SED for CPCS that will meet the following functional requirements:

1. shall be a PDA-based CPCS SED that is a commercially-available 2.5G wireless handheld. **[J.5.2 (Set No.43) (1)]**

(1.8.5.2.48) Yes, it will be a PDA-based CPCS SED that is a commercially-available 2.5G wireless handheld.

2. shall be one of the following consistent with the digital wireless network of the offeror:
a. GSM **[J.5.2 (Set No.43) (2) (a)]**

(1.8.5.2.49) Yes, it will be one of the following consistent with the digital wireless network of AT&T (a.) GSM

2. shall be one of the following consistent with the digital wireless network of the offeror:
b. CDMA **[J.5.2 (Set No.43) (2) (b)]**

(1.8.5.2.50) See 1.8.5.2.49

2. shall be one of the following consistent with the digital wireless network of the offeror:
c. iDEN **[J.5.2 (Set No.43) (2) (c)]**

(1.8.5.2.51) See 1.8.5.2.49

3. shall have those technical capabilities, described in Section C.2.14.1.1.4, that are mandatory. **[J.5.2 (Set No.43) (3)]**

(1.8.5.2.52) Yes, it will have those technical capabilities, described in Section C.2.14.1.1.4, that are mandatory.

4. shall deliver to Agency subscribers those features listed in Section C.2.14.1.2.1 that are mandatory. **[J.5.2 (Set No.43) (4)]**

(1.8.5.2.53) Yes, it will deliver to Agency subscribers those features listed in Section C.2.14.1.2.1 that are mandatory.

5. shall meet the following additional requirements:
(a) Internal antenna **[J.5.2 (Set No.43) (5) (a)]**

(1.8.5.2.54) Yes, it will meet the following additional requirements:

(a) Internal antenna

5. shall meet the following additional requirements:

(b) At least 240x240 pixels screen size with a minimum of 65,000 colors [J.5.2 (Set No.43) (5) (b)]

(1.8.5.2.55) Yes, it will meet the following additional requirements:

(b) At least 240x240 pixels screen size with a minimum of 65,000 colors

5. shall meet the following additional requirements:

(c) QWERTY keypad or equivalent [J.5.2 (Set No.43) (5) (c)]

(1.8.5.2.56) Yes, it will meet the following additional requirements:

(c) QWERTY keypad or equivalent

5. shall meet the following additional requirements:

(d) Minimum 14 MB memory [J.5.2 (Set No.43) (5) (d)]

(1.8.5.2.57) Yes, it will meet the following additional requirements:

(d) Minimum 14 MB memory

5. shall meet the following additional requirements:

(e) Rechargeable/removable battery providing minimum talk time of 3.3 hours and standby time up to a minimum of 8 days [J.5.2 (Set No.43) (5) (e)]

(1.8.5.2.58) Yes, it will meet the following additional requirements: (e)

Rechargeable/removable battery providing minimum talk time of 3.3 hours and standby time up to a minimum of 8 days

5. shall meet the following additional requirements:

(f) SMS [J.5.2 (Set No.43) (5) (f)]

(1.8.5.2.59) Yes, it will meet the following additional requirements:

(f) SMS

5. shall meet the following additional requirements:

(g) Alarm clock, calculator, calendar [J.5.2 (Set No.43) (5) (g)]

(1.8.5.2.60) Yes, it will meet the following additional requirements:

(g) Alarm clock, calculator, calendar

5. shall meet the following additional requirements:

(h) Microsoft Exchange/Lotus Domino or equivalent Email capability [J.5.2 (Set No.43) (5) (h)]

(1.8.5.2.61) Yes, it will meet the following additional requirements:

(h) Microsoft Exchange/Lotus Domino or equivalent Email capability

5. shall meet the following additional requirements:
(i) Internet browser [J.5.2 (Set No.43) (5) (i)]

(1.8.5.2.62) Yes, it will meet the following additional requirements:

(i) Internet browser

5. shall meet the following additional requirements:
(j) Internal wireless modem [J.5.2 (Set No.43) (5) (j)]

(1.8.5.2.63) Yes, it will meet the following additional requirements:

(j) Internal wireless modem

5. shall meet the following additional requirements:
(k) Loudspeaker [J.5.2 (Set No.43) (5) (k)]

(1.8.5.2.64) Yes, it will meet the following additional requirements:

(k) Loudspeaker

5. shall meet the following additional requirements:
(l) Capability to download application software [J.5.2 (Set No.43) (5) (l)]

(1.8.5.2.65) Yes, it will meet the following additional requirements:

(l) Capability to download application software

5. shall meet the following additional requirements:
(m) Emergency position location capability [J.5.2 (Set No.43) (5) (m)]

(1.8.5.2.66) Yes, it will meet the following additional requirements:

(m) Emergency position location capability

5. shall meet the following additional requirements:
(n) Bluetooth [J.5.2 (Set No.43) (5) (n)]

(1.8.5.2.67) Yes, it will meet the following additional requirements:

(n) Bluetooth

6. The digital Phones shall have the following additional features:
(a) Case with a built-in belt clip for firm attachment to a waist belt or purse strap. [Amendment 4, J.5.2 Set No.43(6)(a)]

(1.8.5.2.68) Yes, The digital Phones will have the following additional features:

(a) Case with a built-in belt clip for firm attachment to a waist belt or purse strap.

6. The digital Phones shall have the following additional features:
(b) Over-the-ear handsfree headset. [Amendment 4, J.5.2 Set No.43(6)(b)]

(1.8.5.2.69) Yes, The digital Phones will have the following additional features:

(b). Over-the-ear handsfree headset.

6. The digital Phones shall have the following additional features:
(c) Replacement battery. **[Amendment 4, J.5.2 Set No.43(6)(c)]**

(1.8.5.2.70) Yes, The digital Phones will have the following additional features:

(c). Replacement battery.

Set No. 44: Offeror shall propose a priceable SED for CPCS that shall meet the following functional requirements: **[J.5.2 (Set No.44)]**

(1.8.5.2.71) Yes, AT&T will propose a priceable SED for CPCS that will meet the following functional requirements:

1. A PC-based CPCS SED that is a commercially-available wireless data Network Interface Card (NIC) that will make personal computers capable of high-speed wireless data transfer (Wireless Broadband). **[J.5.2 (Set No.44) (1)]**

(1.8.5.2.72) Yes, a PC-based CPCS SED that is a commercially-available wireless data Network Interface Card (NIC) that will make personal computers capable of high-speed wireless data transfer (Wireless Broadband).

2. The NIC shall connect via any one of the following 3G wireless types:
(a) UMTS800/1900/2100 MHz (UNI Type III of C.2.14.1.3.1) providing a data rate of up to 384K **[J.5.2 (Set No.44) (2) (a)]**

(1.8.5.2.73) Yes, the NIC will connect via any one of the following 3G wireless types:

(a) UMTS800/1900/2100 MHz (UNI Type III of C.2.14.1.3.1) providing a data rate of up to 384K

2. The NIC shall connect via any one of the following 3G wireless types:
(b) EV-DO (UNI Type IV of C.2.14.1.3.1) providing a data rate up to 512Kbps **[J.5.2 (Set No.44) (2) (b)]**

(1.8.5.2.74) See 1.8.5.2.73

3. As applicable, the SED shall have those technical capabilities described in Section C.2.14.1.1.4. that are data related. **[J.5.2 (Set No.44) (3)]**

(1.8.5.2.75) Yes, as applicable, the SED will have those technical capabilities described in Section C.2.14.1.1.4. that are data related.

4. The NIC shall deliver those features listed in Section C.2.14.1.2.1. that are data related. [J.5.2 (Set No.44) (4)]

(1.8.5.2.76) Yes, the NIC will deliver those features listed in Section C.2.14.1.2.1. that are data related.

5. The personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem shall meet the following minimal system requirements:

a. Type II Card slot [J.5.2 (Set No.44) (5) (a)]

(1.8.5.2.77) Yes, the personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem will meet the following minimal system requirements:

a. Type II Card slot

5. The personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem shall meet the following minimal system requirements:

(b) CD ROM disk drive [J.5.2 (Set No.44) (5) (b)]

(1.8.5.2.78) Yes, the personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem will meet the following minimal system requirements:

(b) CD ROM disk drive

5. The personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem shall meet the following minimal system requirements:

(c) 16MB memory [J.5.2 (Set No.44) (5) (c)]

(1.8.5.2.79) Yes, the personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem will meet the following minimal system requirements:

(c) 16MB memory

5. The personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem shall meet the following minimal system requirements:

(d) 64MB RAM [J.5.2 (Set No.44) (5) (d)]

(1.8.5.2.80) Yes, the personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem will meet the following minimal system requirements:

(d) 64MB RAM

5. The personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem shall meet the following minimal system requirements:

(e) 33 MHz bus speed [J.5.2 (Set No.44) (5) (e)]

(1.8.5.2.81) Yes, the personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem will meet the following minimal system requirements:

(e) 33 MHz bus speed

5. The personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem shall meet the following minimal system requirements:

(f) Windows 98 SE, or ME, or 2000, or XP [J.5.2 (Set No.44) (5) (f)]

(1.8.5.2.82) Yes, the personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem will meet the following minimal system requirements:

(f) Windows 98 SE, or ME, or 2000, or XP

5. The personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem shall meet the following minimal system requirements:

(g) Internet browser [J.5.2 (Set No.44) (5) (g)]

(1.8.5.2.83) Yes, the personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem will meet the following minimal system requirements:

(g) Internet browser

5. The personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem shall meet the following minimal system requirements:

(h) Integrated antenna [J.5.2 (Set No.44) (5) (h)]

(1.8.5.2.84) Yes, the personal computers (including but not limited to Notebook and Laptop PCs) hosting the NIC modem will meet the following minimal system requirements:

(h) Integrated antenna

Set No. 45: Offeror shall propose priceable SED item(s) that provide PBX/PSTN-based ACS over circuit switched voice connections and that shall meet the following functional requirements: [J.5.2 (Set No.45)]

(1.8.5.2.85) Yes, AT&T will propose priceable SED item(s) that provide PBX/PSTN-based ACS over circuit switched voice connections and that will meet the following functional requirements:

1. shall be conference-room audio equipment with tabletop console, integrated display, and keypad. [J.5.2 (Set No.45) (1)]

(1.8.5.2.86) Yes, there will be conference-room audio equipment with tabletop console, integrated display, and keypad.

2. The console shall allow the following minimal configuration flexibility:
(a) 12-key telephone key pad, plus keys for on-hook/off-hook, conference, mute, and volume up/down control [J.5.2 (Set No.45) (2) (a)]

(1.8.5.2.87) Yes, the console will allow the following minimal configuration flexibility:

(a) 12-key telephone key pad, plus keys for on-hook/off-hook, conference, mute, and volume up/down control

2. The console shall allow the following minimal configuration flexibility:
(b) 2 extension microphones [J.5.2 (Set No.45) (2) (b)]

(1.8.5.2.88) Yes, the console will allow the following minimal configuration flexibility:

(b) 2 extension microphones

2. The console shall allow the following minimal configuration flexibility:
(c) Loudspeaker [J.5.2 (Set No.45) (2) (c)]

(1.8.5.2.89) Yes, the console will allow the following minimal configuration flexibility:

(c) Loudspeaker

3. shall fulfill the function of an end terminal to meet the ACS requirements outlined in Section C.2.8.2.1.4 [J.5.2 (Set No.45) (3)]

(1.8.5.2.90) Yes, it will fulfill the function of an end terminal to meet the ACS requirements outlined in Section C.2.8.2.1.4

4. provide audio connection from conference-rooms in Agency-specified locations to the contractor's ACS conference-bridge over PSTN. [J.5.2 (Set No.45) (4)]

(1.8.5.2.91) Yes, it will provide audio connection from conference-rooms in Agency-specified locations to AT&T's ACS conference-bridge over PSTN.

5. shall comply with the Audio Conferencing standards listed in Section C.2.8.2.1.2., as applicable to the proposed unit. **[J.5.2 (Set No.45) (5)]**

(1.8.5.2.92) Yes, it will comply with the Audio Conferencing standards listed in Section C.2.8.2.1.2., as applicable to the proposed unit.

6. shall be capable of delivering the ACS features, listed in Section C.2.8.2.2.1., to the participants of multipoint audio conference call. **[J.5.2 (Set No.45) (6)]**

(1.8.5.2.93) Yes, it will be capable of delivering the ACS features, listed in Section C.2.8.2.2.1., to the participants of multipoint audio conference call.

7. shall have 360^o audio coverage. **[J.5.2 (Set No.45) (7)]**

(1.8.5.2.94) Yes, it will have 360° audio coverage.

8. shall deliver simultaneous full-duplex communication to mimic the speech pattern of multiple participants in a live conference. **[J.5.2 (Set No.45) (8)]**

(1.8.5.2.95) Yes, it will deliver simultaneous full-duplex communication to mimic the speech pattern of multiple participants in a live conference.

9. the audio quality enhancement features shall include Automatic Gain Control, Dynamic Noise Reduction, Echo Cancellation. **[J.5.2 (Set No.45) (9)]**

(1.8.5.2.96) Yes, the audio quality enhancement features will include Automatic Gain Control, Dynamic Noise Reduction, Echo Cancellation.

10. shall be compatible with either analog or digital (G.711 encoded) network environment, as specified by the Agency. **[J.5.2 (Set No.45) (10)]**

(1.8.5.2.97) Yes, it will be compatible with either analog or digital (G.711 encoded) network environment, as specified by the Agency.

11. The analog SED shall plug into a regular RJ-11 phone jack i.e., to a 2-wire RJ-11 analog PBX or PSTN interface; the digital SED shall plug into ISDN phone jack. **[J.5.2 (Set No.45) (11)]**

(1.8.5.2.98) Yes, the analog SED will plug into a regular RJ-11 phone jack i.e., to a 2-wire RJ-11 analog PBX or PSTN interface; the digital SED will plug into ISDN phone jack.

12. shall be equipped with an AC cable cord to connect to 110v AC wall socket. **[J.5.2 (Set No.45) (12)]**

(1.8.5.2.99) Yes, it will be equipped with an AC cable cord to connect to 110v AC wall socket.

Set No. 46: Offeror shall propose a priceable SED item that provides MWLANS and that shall meet the following functional requirements: [J.5.2 (Set No.46)]

(1.8.5.2.100) Yes, AT&T will propose a priceable SED item that provides MWLANS and that will meet the following functional requirements:

1. The contractor shall ensure that the SED meets the requirements outlined in Section C.2.14.3.1. [J.5.2 (Set No.46) (1)]

(1.8.5.2.101) Yes, AT&T will ensure the proposed SED meets the requirements outlined in Section C.2.14.3.1.

2. The SED shall support any one or more of the User-to-Network-Interfaces (UNIs) listed in Section C.2.14.3.3.1 in order to connect to Agency network. [J.5.2 (Set No.46) (2)]

(1.8.5.2.102) Yes, the SED will support any one or more of the User-to-Network-Interfaces (UNIs) listed in Section C.2.14.3.3.1 in order to connect to Agency network.

3. the SED shall be a Network Interface Card (NIC) and incorporate built-in wireless modem functionalities with at least a 32-bit adapter. [J.5.2 (Set No.46) (3)]

(1.8.5.2.103) Yes, the SED will be a Network Interface Card (NIC) and incorporate built-in wireless modem functionalities with at least a 32-bit adapter.

4. The SED shall support up to 54 Mbps, and shall support a fallback option to 11 Mbps. [J.5.2 (Set No.46) (4)]

(1.8.5.2.104) Yes, the SED will support up to 54 Mbps, and will support a fallback option to 11 Mbps.

5. The SED shall feature 64-, 128-WEP Encryption. [J.5.2 (Set No.46) (5)]

(1.8.5.2.105) Yes, the SED will feature 64-, 128-WEP Encryption.

6. The range of the SED shall be at least 90 meters indoor and 396 meters outdoors with a minimum of 15dB transmitted power. [J.5.2 (Set No.46) (6)]

(1.8.5.2.106) Yes, the range of the SED will be at least 90 meters indoor and 396 meters outdoors with a minimum of 15dB transmitted power.

Set No. 47: The Offeror shall propose priceable SED item(s) for the following Storage Services (SS) application,

(1.8.5.2.107) Yes, AT&T will propose priceable SED item(s) for the following Storage Services (SS) application,

1. The contractor shall ensure that the proposed SED meets the requirements outlined in Section C.2.11.10 [J.5.2 (Set No.47) (1)]

(1.8.5.2.108) Yes, AT&T will ensure that the proposed SED meets the requirements outlined in Section C.2.11.10

2. The base unit (common equipment) shall support the following functions:
(a) Memory management [J.5.2 (Set No.47) (2) (a)]

(1.8.5.2.109) Yes, the base unit (common equipment) will support the following functions:

(a) Memory management

2. The base unit (common equipment) shall support the following functions:
(b) External Communications [J.5.2 (Set No.47) (2) (b)]

(1.8.5.2.110) Yes, the base unit (common equipment) will support the following functions:

(b) External Communications

2. The base unit (common equipment) shall support the following functions:
(c) Power [J.5.2 (Set No.47) (2) (c)]

(1.8.5.2.111) Yes, the base unit (common equipment) will support the following functions:

(c) Power

2. The base unit (common equipment) shall support the following functions:
(d) Alarm and Control [J.5.2 (Set No.47) (2) (d)]

(1.8.5.2.112) Yes, the base unit (common equipment) will support the following functions:

(d) Alarm and Control

3. The blades shall be hot-swappable. [J.5.2 (Set No.47) (3)]

(1.8.5.2.113) Yes, it will be hot-swappable.

4. Shall be rack mountable and fully NEBS Level 3 compliant and shall support front access interface connectors. [J.5.2 (Set No.47) (4)]

(1.8.5.2.114) Yes, it will be rack mountable and fully NEBS Level 3 compliant and will support front access interface connectors.

5. Shall be equipped with at least 8 slots to house Traffic cards (tributary) and network facing interfaces. Industry Standard Client Optics (SPF) shall be supported. [J.5.2 (Set No.47) (5)]

(1.8.5.2.115) Yes, it will be equipped with at least 8 slots to house Traffic cards (tributary) and network facing interfaces. Industry Standard Client Optics (SPF) will be supported.

6. Each blade (tributary and network facing) shall be equipped with an individual and redundant power supplies. [J.5.2 (Set No.47) (6)]

(1.8.5.2.116) Yes, each blade (tributary and network facing) will be equipped with an individual and redundant power supplies.

7. Shall be connected in a linear, point-to-point topology. [J.5.2 (Set No.47) (7)]

(1.8.5.2.117) Yes, it will be connected in a linear, point-to-point topology.

8. Shall be equipped with the following interfaces as tributaries, which shall include software provisionable functions (e.g. self-configuration for each port):

(a) 2 - Multi-port Fibre Channel interfaces (working, protection) [J.5.2 (Set No.47) (8) (a)]

(1.8.5.2.118) Yes, it will be equipped with the following interfaces as tributaries, which will include software provisionable functions (e.g. self-configuration for each port):

(a) 2 - Multi-port Fibre Channel interfaces (working, protection)

8. Shall be equipped with the following interfaces as tributaries, which shall include software provisionable functions (e.g. self-configuration for each port):

(b) 2 - Multi-port ESCON interface (working, protection) [J.5.2 (Set No.47) (8) (b)]

(1.8.5.2.119) Yes, it will be equipped with the following interfaces as tributaries, which will include software provisionable functions (e.g. self-configuration for each port):

(b) 2 - Multi-port ESCON interface (working, protection)

8. Shall be equipped with the following interfaces as tributaries, which shall include software provisionable functions (e.g. self-configuration for each port):

(c) 2 - Multi-port FICON interface at 1 Gbps (working, protection) [J.5.2 (Set No.47) (8) (c)]

(1.8.5.2.120) Yes, it will be equipped with the following interfaces as tributaries, which will include software provisionable functions (e.g. self-configuration for each port):

(c) 2 - Multi-port FICON interface at 1 Gbps (working, protection)

9. The tributaries shall be protected on a 1+1 basis using Automatic Protection Switching protocol (APS). **[J.5.2 (Set No.47) (9)]**

(1.8.5.2.121) Yes, the tributaries will be protected on a 1+1 basis using Automatic Protection Switching protocol (APS).

10. The uplink (network side) shall be equipped with OC-48 LR interfaces, APS 1+1 protected. **[J.5.2 (Set No.47) (10)]**

(1.8.5.2.122) Yes, the uplink (network side) will be equipped with OC-48 LR interfaces, APS 1+1 protected.

11. Connections shall be provisioned using concatenated signals end-to-end at the STS-3c, STS-12c levels. **[J.5.2 (Set No.47) (11)]**

(1.8.5.2.123) Yes, connections will be provisioned using concatenated signals end-to-end at the STS-3c, STS-12c levels.

12. Shall support Performance Monitoring compliant to Telcordia GR-253 **[J.5.2 (Set No.47) (12)]**

(1.8.5.2.124) Yes, it will support Performance Monitoring compliant to Telcordia GR-253

13. Shall be equipped with external communication ports such as Ethernet ports to interface with element management systems. **[J.5.2 (Set No.47) (13)]**

(1.8.5.2.125) Yes, it will be equipped with external communication ports such as Ethernet ports to interface with element management systems.

14. Shall conform to management requirements as outlined in Section C.2.9.1.1.4.2. **[J.5.2 (Set No.47) (14)]**

(1.8.5.2.126) Yes, it will conform to management requirements as outlined in Section C.2.9.1.1.4.2.

Set No 48.: The Offeror shall propose priceable SED item(s) for the following OWS over WDM SED requirement and the SED shall meet the following functional requirements: **[J.5.2 (Set No.48)]**

(1.8.5.2.127) Yes, AT&T will propose priceable SED item(s) for the following OWS over WDM SED requirement and the SED will meet the following functional requirements:

1. The contractor shall ensure that the proposed SED meets the requirements as outlined in Section C.2.5.4.1 [J.5.2 (Set No.48) (1)]

(1.8.5.2.128) Yes, AT&T will ensure that the proposed SED meets the requirements as outlined in Section C.2.5.4.1

2. The SED shall be an end terminal for wavelengths originating or terminating at an Agency's SDP [J.5.2 (Set No.48) (2)]

(1.8.5.2.129) Yes, the SED will be an end terminal for wavelengths originating or terminating at an Agency's SDP

3. The hardware and software architecture of the SED shall be modular, in order to permit the SED to be configured to operate with the following hardware modules without the need to replace chassis:
(a) Trunk Module [J.5.2 (Set No.48) (3) (a)]

(1.8.5.2.130) Yes, the hardware and software architecture of the SED will be modular, in order to permit the SED to be configured to operate with the following hardware modules without the need to replace chassis:

(a) Trunk Module

3. The hardware and software architecture of the SED shall be modular, in order to permit the SED to be configured to operate with the following hardware modules without the need to replace chassis:
(b) Aggregation Module [J.5.2 (Set No.48) (3) (b)]

(1.8.5.2.131) Yes, the hardware and software architecture of the SED will be modular, in order to permit the SED to be configured to operate with the following hardware modules without the need to replace chassis:

(b) Aggregation Module

4. The SED shall be rack mountable, NEBS Level 3 compliant, and able to support wavelengths over CWDM as well as DWDM in the same chassis. [J.5.2 (Set No.48) (4)]

(1.8.5.2.132) Yes, the SED will be rack mountable, NEBS Level 3 compliant, and able to support wavelengths over CWDM as well as DWDM in the same chassis.

5. The SED shall deliver 99.999% availability and shall perform at 10^{-12} BER or better [J.5.2 (Set No.48) (5)]

(1.8.5.2.133) Yes, the SED will deliver 99.999% availability and will perform at 10^{-12} BER or better

6. The SED's blades shall be hot-swappable [J.5.2 (Set No.48) (6)]

(1.8.5.2.134) Yes, the SED's blades will be hot-swappable

7. The SEDs shall be maintained in-service and shall scale for incremental wavelengths provisioning, starting with 1. [J.5.2 (Set No.48) (7)]

(1.8.5.2.135) Yes, the SEDs will be maintained in-service and will scale for incremental wavelengths provisioning, starting with 1.

8. The initial common equipment deployed as SED shall be capable to house a minimum of 4 protected wavelengths or a maximum of 8 unprotected wavelengths per fiber pair in a single band (C, L or S). The proposed SED will scale beyond 8 wavelengths without any service interruption [J.5.2 (Set No.48) (8)]

(1.8.5.2.136) Yes, the initial common equipment deployed as SED will be capable to house a minimum of 4 protected wavelengths or a maximum of 8 unprotected wavelengths per fiber pair in a single band (C, L or S). The proposed SED will scale beyond 8 wavelengths without any service interruption

9. The SED shall be software configurable. Wavelengths shall be added, dropped and tuned to specific frequencies with a minimum requirement for on-site support. [J.5.2 (Set No.48) (9)]

(1.8.5.2.137) Yes, the SED will be software configurable. Wavelengths will be added, dropped and tuned to specific frequencies with a minimum requirement for on-site support.

10. The SED shall support the following protocols transparently:
(a) ESCON [J.5.2 (Set No.48) (10) (a)]

(1.8.5.2.138) Yes, the SED will support the following protocols transparently:
(a) ESCON

10. The SED shall support the following protocols transparently:
(b) Fibre Channel [J.5.2 (Set No.48) (10) (b)]

(1.8.5.2.139) Yes, the SED will support the following protocols transparently:
(b) Fibre Channel

10. The SED shall support the following protocols transparently:
(c) Gigabit Ethernet [J.5.2 (Set No.48) (10) (c)]

(1.8.5.2.140) Yes, the SED will support the following protocols transparently:

(c) Gigabit Ethernet

11. On the aggregate side, the SED shall support the following interface quantities:
(a) 2 - Multi-port aggregation cards to support Ethernet @ 1 GbE (working, protection)
[J.5.2 (Set No.48) (11) (a)]

(1.8.5.2.141) Yes, on the aggregate side, the SED will support the following interface quantities:

(a) 2 - Multi-port aggregation cards to support Ethernet @ 1 GbE (working, protection)

11. On the aggregate side, the SED shall support the following interface quantities:
(b) 2 - Multi-port aggregation card to support ESCON & Fibre Channel (working, protection) [J.5.2 (Set No.48) (11) (b)]

(1.8.5.2.142) Yes, on the aggregate side, the SED will support the following interface quantities:

(b) 2 - Multi-port aggregation card to support ESCON & Fibre Channel (working, protection)

12. On the trunk side, the SED shall be conforming to ITU G.692, G.694 and G.694.2, able to aggregate and multiplex several sub-rate UNIs listed in 13, and support the following interface quantity:
2 - 2.5 Gbps SR, LR, as per Section C.2.5.4.1.3 (APS 1+1 protected) [J.5.2 (Set No.48) (12)]

(1.8.5.2.143) Yes, on the trunk side, the SED will be conforming to ITU G.692, G.694 and G.694.2, able to aggregate and multiplex several sub-rate UNIs listed in 13, and support the following interface quantity:
2 - 2.5 Gbps SR, LR, as per Section C.2.5.4.1.3 (APS 1+1 protected)

13. The SED proposed by the contractor shall be capable of supporting a point-to-point network topology [J.5.2 (Set No.48) (13)]

(1.8.5.2.144) Yes, the SED proposed by AT&T will be capable of supporting a point-to-point network topology

14. The contractor shall ensure that the SED proposed shall contribute to achieve performance requirements stated in Section C.2.5.4.1.4 [J.5.2 (Set No.48) (14)]

(1.8.5.2.145) Yes, AT&T will ensure that the SED proposed will contribute to achieve performance requirements stated in Section C.2.5.4.1.4

15. The contractor shall ensure that the switching times supported by the SED, where applicable, are fast enough to comply with performance standards as per Section C.2.5.4.1.4 [J.5.2 (Set No.48) (15)]

(1.8.5.2.146) Yes, AT&T will ensure that the switching times supported by the SED, where applicable, are fast enough to comply with performance standards as per Section C.2.5.4.1.4

16. The contractor shall ensure that for a single wavelength, there is no frequency contention regardless of the number of hops that the wavelength transverses. **[J.5.2 (Set No.48) (16)]**

(1.8.5.2.147) Yes, AT&T will ensure that for a single wavelength, there is no frequency contention regardless of the number of hops that the wavelength transverses.

17. The SED shall be equipped with external communication ports, such as Ethernet ports to interface with element management systems. **[J.5.2 (Set No.48) (17)]**

(1.8.5.2.148) Yes, the SED will be equipped with external communication ports, such as Ethernet ports to interface with element management systems.

18. The SED shall conform to management requirements as outlined in Section C.2.9.1.1.4.2. **[J.5.2 (Set No.48) (18)]**

(1.8.5.2.149) Yes, the SED will conform to management requirements as outlined in Section C.2.9.1.1.4.2.

19. The SED shall be equipped with an Optical Supervisory Channel, and shall be equipped with built-in power equalization system for dynamic adjustment of power levels. **[J.5.2 (Set No.48) (19)]**

(1.8.5.2.150) Yes, the SED will be equipped with an Optical Supervisory Channel, and will be equipped with built-in power equalization system for dynamic adjustment of power levels.

20. The SED shall support equipment and line (optical) protection schemes to support the protection requirements as described in Section C2.5.4.1.2.1 for both equipment (aggregate) and the network (trunk) protection. **[J.5.2 (Set No.48) (20)]**

(1.8.5.2.151) Yes, the SED will support equipment and line (optical) protection schemes to support the protection requirements as described in Section C2.5.4.1.2.1 for both equipment (aggregate) and the network (trunk) protection.

[Set No. 49: The Offeror shall propose priceable SED item(s) for the following SONETS application, and it shall meet the following functional requirements for the nodal equipment (a single node SED) proposed for a 3-node ring (2-Fiber BLSR protected, distance between the nodes is 60km, and tributary configuration is equal at each node). **[J.5.2 (Set No.49)]**

(1.8.5.2.152) Yes, AT&T will propose priceable SED item(s) for the following SONETS application, and it will meet the following functional requirements for the nodal equipment (a single node SED) proposed for a 3-node ring (2-Fiber BLSR protected, distance between the nodes is 60km, and tributary configuration is equal at each node).

1. The contractor shall ensure that the proposed SONET SED meets the requirements outlined in Section C.2.5.2 [J.5.2 (Set No.49) (1)]

(1.8.5.2.153) Yes, AT&T will ensure that the proposed SONET SED meets the requirements outlined in Section C.2.5.2

2. The base unit (common equipment) shall support the following functions:
(a) Memory management [J.5.2 (Set No.49) (2) (a)]

(1.8.5.2.154) Yes, the base unit (common equipment) will support the following functions:

(a) Memory management

2. The base unit (common equipment) shall support the following functions:
(b) External Communications [J.5.2 (Set No.49) (2) (b)]

(1.8.5.2.155) Yes, the base unit (common equipment) will support the following functions:

(b) External Communications

2. The base unit (common equipment) shall support the following functions:
(c) Power [J.5.2 (Set No.49) (2) (c)]

(1.8.5.2.156) Yes, the base unit (common equipment) will support the following functions:

(c) Power

2. The base unit (common equipment) shall support the following functions:
(d) Switching at the VT1.5 level [J.5.2 (Set No.49) (2) (d)]

(1.8.5.2.157) Yes, the base unit (common equipment) will support the following functions:

(d) Switching at the VT1.5 level

2. The base unit (common equipment) shall support the following functions:
(e) Alarm and Control [J.5.2 (Set No.49) (2) (e)]

(1.8.5.2.158) Yes, the base unit (common equipment) will support the following functions:

(e) Alarm and Control

3. The SED shall support flexible hardware architecture so that any slot (add-on equipment) shall be configured to function as a tributary interface or line interface (network side interface). The blades shall be hot-swappable, and [J.5.2 (Set No.49) (3)]

(1.8.5.2.159) Yes, the SED will support flexible hardware architecture so that any slot (add-on equipment) will be configured to function as a tributary interface or line interface (network side interface). The blades will be hot-swappable, and

4. Shall be rack mountable and NEBS Level 3 compliant. [J.5.2 (Set No.49) (4)]

(1.8.5.2.160) Yes, the SED will be rack mountable and NEBS Level 3 compliant.

5. Shall be equipped with at least 12 slots to house tributary and line interfaces. [J.5.2 (Set No.49) (5)]

(1.8.5.2.161) Yes, the SED will be equipped with at least 12 slots to house tributary and line interfaces.

5. Each blade (tributary and line) shall be equipped with an individual and redundant power supplies and shall be capable of front access interface connectors. [J.5.2 (Set No.49) (5)]

(1.8.5.2.162) Yes, each blade (tributary and line) will be equipped with an individual and redundant power supplies and will be capable of front access interface connectors.

6. Shall be configured using Ring topology, using 2 Fiber BLSR architecture, and OC-48 LR interfaces. [J.5.2 (Set No.49) (6)]

(1.8.5.2.163) Yes, the SED will be configured using Ring topology, using 2 Fiber BLSR architecture, and OC-48 LR interfaces.

7. Shall be equipped with the following interfaces as tributaries, protected using APS 1:1 protocol:

(a) 2 - Multi-port electrical interfaces to transport DS3 signals (working, protection) [J.5.2 (Set No.49) (7) (a)]

(1.8.5.2.164) Yes, the SED will be equipped with the following interfaces as tributaries, protected using APS 1:1 protocol:

(a) 2 - Multi-port electrical interfaces to transport DS3 signals (working, protection)

7. Shall be equipped with the following interfaces as tributaries, protected using APS 1:1 protocol:
(b) 2 - Multi-port OC-3 cards (working, protection) **[J.5.2 (Set No.49) (7) (b)]**

(1.8.5.2.165) Yes, the SED will be equipped with the following interfaces as tributaries, protected using APS 1:1 protocol:

(b) 2 - Multi-port OC-3 cards (working, protection)

7. Shall be equipped with the following interfaces as tributaries, protected using APS 1:1 protocol:
(c) 2 - Multi-port OC-12/STM-4 cards (working, protection) **[J.5.2 (Set No.49) (7) (c)]**

(1.8.5.2.166) Yes, the SED will be equipped with the following interfaces as tributaries, protected using APS 1:1 protocol:

(c) 2 - Multi-port OC-12/STM-4 cards (working, protection)

8. Transmux Capabilities are required as follows:

(a) DS3/STS1 transmuted to DS1 shall be supported **[J.5.2 (Set No.49) (8) (a)]**

(1.8.5.2.167) Yes, transmux Capabilities are required as follows:

(a) DS3/STS1 transmuted to DS1 will be supported

8. Transmux Capabilities are required as follows:

(b) OC3 transmuted to DS3/STS1 shall be supported **[J.5.2 (Set No.49) (8) (b)]**

(1.8.5.2.168) Yes, transmux Capabilities are required as follows:

(b) OC3 transmuted to DS3/STS1 will be supported

9. Connections shall be configured as concatenated signals at STS-3c and STS-12c levels. **[J.5.2 (Set No.49) (9)]**

(1.8.5.2.169) Yes, connections will be configured as concatenated signals at STS-3c and STS-12c levels.

10. Shall be equipped with a full non-blocking switch matrix with VT1.5 granularity, capable of Time Slot Assignment (TSA) and Time Slot Interchange (TSI) functions. **[J.5.2 (Set No.49) (10)]**

(1.8.5.2.170) Yes, it will be equipped with a full non-blocking switch matrix with VT1.5 granularity, capable of Time Slot Assignment (TSA) and Time Slot Interchange (TSI) functions.

11. Cross-connects shall include hairpinning, broadcasting, and drop and continue on the tributary side. **[J.5.2 (Set No.49) (11)]**

(1.8.5.2.171) Yes, cross-connects will include hairpinning, broadcasting, and drop and continue on the tributary side.

12. Synchronization and Timing Methods shall include External and Line Timing. [J.5.2 (Set No.49) (12)]

(1.8.5.2.172) Yes, synchronization and Timing Methods will include External and Line Timing.

13. Shall be equipped with external communication ports such as Ethernet ports to interface with element management systems. [J.5.2 (Set No.49) (13)]

(1.8.5.2.173) Yes, it will be equipped with external communication ports such as Ethernet ports to interface with element management systems.

14. Shall conform to management requirements as outlined in Section C.2.9.1.1.4.2. [J.5.2 (Set No.49) (14)]

(1.8.5.2.174) Yes, it will conform to management requirements as outlined in Section C.2.9.1.1.4.2.

Set No. 50: Offeror shall propose priceable SED item(s) that constitute a fixed location, room Video Terminal Unit (VTU) System, to provide video room conferencing in compliance with the VTS requirements specified in the Section C.2.8.1. [J.5.2 (Set No.50)]

(1.8.5.2.175) Yes, AT&T will propose priceable SED item(s) that constitute a fixed location, room Video Terminal Unit (VTU) System, to provide video room conferencing in compliance with the VTS requirements specified in the Section C.2.8.1.

Mounting brackets, fixtures, and in-wall/ceiling extension cabling shall not be included. [J.5.2 (Set No.50)]

(1.8.5.2.176) Yes, mounting brackets, fixtures, and in-wall/ceiling extension cabling will not be included

VTU shall, at a minimum, meet the following specification.

1. Standards compliance: ITU H.323 and ITU H.320 [J.5.2 (Set No.50) (1)]

(1.8.5.2.177) Yes, VTU will, at a minimum, meet the following specification.

1. Standards compliance: ITU H.323 and ITU H.320

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(a) Digital conferencing recording (DVD and/or VCR) [J.5.2 (Set No.50) (2) (a)]

(1.8.5.2.178) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(a) Digital conferencing recording (DVD and/or VCR)

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(b) Camera presets [J.5.2 (Set No.50) (2) (b)]

(1.8.5.2.179) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(b) Camera presets

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(c) Lip synchronization [J.5.2 (Set No.50) (2) (c)]

(1.8.5.2.180) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(c) Lip synchronization

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(d) Chair remote control of the cameras, microphones, and other conferencing equipment [J.5.2 (Set No.50) (2) (d)]

(1.8.5.2.181) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(d) Chair remote control of the cameras, microphones, and other conferencing equipment

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(e) Support for dual monitors [J.5.2 (Set No.50) (2) (e)]

(1.8.5.2.182) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(e) Support for dual monitors

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(f) Movable Picture-in-Picture (PIP) [J.5.2 (Set No.50) (2) (f)]

(1.8.5.2.183) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(f) Movable Picture-in-Picture (PIP)

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(g) Capability of using laptop (PC) as a source of display in conferencing [J.5.2 (Set No.50) (2) (g)]

(1.8.5.2.184) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(g) Capability of using laptop (PC) as a source of display in conferencing

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(h) System management tools and diagnostics [J.5.2 (Set No.50) (2) (i)]

(1.8.5.2.185) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(h) System management tools and diagnostics

VTU shall, at a minimum, meet the following specification.

3. Video Standards support: H.261, H.263, H.263+, H.263++, and H.264 [J.5.2 (Set No.50) (3)]

(1.8.5.2.186) Yes, VTU will, at a minimum, meet the following specification.

3. Video Standards support: H.261, H.263, H.263+, H.263++, and H.264

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:

(a) PC input [J.5.2 (Set No.50) (4) (a)]

(1.8.5.2.187) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(a) PC input

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:

(b) XGA (1024x768) [J.5.2 (Set No.50) (4) (b)]

(1.8.5.2.188) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(b) XGA (1024x768)

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:

(c) SVGA (800x600) [J.5.2 (Set No.50) (4) (c)]

(1.8.5.2.189) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(c) SVGA (800x600)

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:
(d) VGA (640x480) [J.5.2 (Set No.50) (4) (d)]

(1.8.5.2.190) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(d) VGA (640x480)

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:
(e) S-Video or composite inputs [J.5.2 (Set No.50) (4) (e)]

(1.8.5.2.191) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(e) S-Video or composite inputs

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:
(f) 4CIF (704 x 576 pixels), NTSC, CIF (352 x 288 pixels) [J.5.2 (Set No.50) (4) (f)]

(1.8.5.2.192) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(f) 4CIF (704 x 576 pixels), NTSC, CIF (352 x 288 pixels)

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:
(a) CIF (352 x 288 pixels) [J.5.2 (Set No.50) (5) (a)]

(1.8.5.2.193) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(a) CIF (352 x 288 pixels)

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:
(b) QCIF (176 x 144 pixels) [J.5.2 (Set No.50) (5) (b)]

(1.8.5.2.194) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(b) QCIF (176 x 144 pixels)

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:
(c) 30 fps at 256 Kbps and above [J.5.2 (Set No.50) (5) (c)]

(1.8.5.2.195) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(c) 30 fps at 256 Kbps and above

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:

(d) Interlaced video (352 x 480 pixels) at 336 Kbps and above [J.5.2 (Set No.50) (5) (d)]

(1.8.5.2.196) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(d) Interlaced video (352 x 480 pixels) at 336 Kbps and above

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:

(e) NTSC/4 (352 x 240 pixels) [J.5.2 (Set No.50) (5) (e)]

(1.8.5.2.197) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(e) NTSC/4 (352 x 240 pixels)

VTU shall, at a minimum, meet the following specification.

6. Video Input support: (a) Main camera: - people

[J.5.2 (Set No.50) (6) (a)]

(1.8.5.2.198) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support: (a) Main camera: - people

VTU shall, at a minimum, meet the following specification.

6. Video Input support:

(b) Auxiliary: - people or content [J.5.2 (Set No.50) (6) (b)]

(1.8.5.2.199) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support:

(b) Auxiliary: - people or content

VTU shall, at a minimum, meet the following specification.

6. Video Input support:

(c) Video content (document camera, etc.): 4-pin mini DIN – content [J.5.2 (Set No.50) (6) (c)]

(1.8.5.2.200) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support:

(c) Video content (document camera, etc.)

VTU shall, at a minimum, meet the following specification.

6. Video Input support:

(d) PC/laptop direct input [J.5.2 (Set No.50) (6) (d)]

(1.8.5.2.201) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support:

(d) PC/laptop direct input

VTU shall, at a minimum, meet the following specification.

6. Video Input support:

- (e) VCR (RCA) – content
[J.5.2 (Set No.50) (6) (e)]

(1.8.5.2.202) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support:

(e) VCR (RCA) – content

VTU shall, at a minimum, meet the following specification.

7. Video Output support:

- (a) Main display/content display: SVGA or XGA
[J.5.2 (Set No.50) (7) (a)]

(1.8.5.2.203) Yes, VTU will, at a minimum, meet the following specification.

7. Video Output support:

(a) Main display/content display: SVGA or XGA

VTU shall, at a minimum, meet the following specification.

7. Video Output support:

- (b) People display: NTSC or PAL (S-video, composite) [J.5.2 (Set No.50) (7) (b)]

(1.8.5.2.204) Yes, VTU will, at a minimum, meet the following specification.

7. Video Output support:

(b) People display: NTSC or PAL (S-video, composite)

VTU shall, at a minimum, meet the following specification.

7. Video Output support:

- (c) VCR output (RCA) [J.5.2 (Set No.50) (7) (c)]

(1.8.5.2.205) Yes, VTU will, at a minimum, meet the following specification.

7. Video Output support:

(c) VCR output (RCA)

VTU shall, at a minimum, meet the following specification.

8. Audio Standards support:

- (a) 14 kHz [J.5.2 (Set No.50) (8) (a)]

(1.8.5.2.206) Yes, VTU will, at a minimum, meet the following specification.

8. Audio Standards support:

(a) 14 kHz

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(b) 7 kHz with PT716plus, PT724, G.722.1, G.722 [J.5.2 (Set No.50) (8) (b)]

(1.8.5.2.207) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(b) 7 kHz with PT716plus, PT724, G.722.1, G.722

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(c) 3.4 kHz with G.711, G.723.1, G.728, G.729 [J.5.2 (Set No.50) (8) (c)]

(1.8.5.2.208) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(c) 3.4 kHz with G.711, G.723.1, G.728, G.729

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(d) Echo Cancellation [J.5.2 (Set No.50) (8) (d)]

(1.8.5.2.209) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(d) Echo Cancellation

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(e) Automatic Gain Control (AGC) [J.5.2 (Set No.50) (8) (e)]

(1.8.5.2.210) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(e) Automatic Gain Control (AGC)

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(f) Automatic Noise Suppression (ANS) [J.5.2 (Set No.50) (8) (f)]

(1.8.5.2.211) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(f) Automatic Noise Suppression (ANS)

VTU shall, at a minimum, meet the following specification

9. Audio Input support:

(a) 2 microphone inputs, with daisy-chain capability

[J.5.2 (Set No.50) (9) (a)]

(1.8.5.2.212) Yes, VTU will, at a minimum, meet the following specification

9. Audio Input support:

- (a) 2 microphone inputs, with daisy-chain capability

VTU shall, at a minimum, meet the following specification

9. Audio Input support:

- (b) Line-level (RCA) [J.5.2 (Set No.50) (9) (b)]

(1.8.5.2.213) Yes, VTU will, at a minimum, meet the following specification

9. Audio Input support:

- (b) Line-level (RCA)

VTU shall, at a minimum, meet the following specification

9. Audio Input support:

- (c) 1 PC audio input [J.5.2 (Set No.50) (9) (c)]

(1.8.5.2.214) Yes, VTU will, at a minimum, meet the following specification

9. Audio Input support:

- (c) 1 PC audio input

VTU shall, at a minimum, meet the following specification

9. Audio Input support:

- (d) 1 VCR input (RCA)
[J.5.2 (Set No.50) (9) (d)]

(1.8.5.2.215) Yes, VTU will, at a minimum, meet the following specification

9. Audio Input support:

- (d) 1 VCR input (RCA)

VTU shall, at a minimum, meet the following specification

10. Audio Output support:

- (a) Main audio left and right (RCA) [J.5.2 (Set No.50) (10) (a)]

(1.8.5.2.216) Yes, VTU will, at a minimum, meet the following specification

10. Audio Output support:

- (a) Main audio left and right (RCA)

VTU shall, at a minimum, meet the following specification

10. Audio Output support:

- (b) VCR output (RCA) [J.5.2 (Set No.50) (10) (b)]

(1.8.5.2.217) Yes, VTU will, at a minimum, meet the following specification

10. Audio Output support:

- (b) VCR output (RCA)

VTU shall, at a minimum, meet the following specification

11. Network Interface support:

(a) IP (LAN, DSL, cable modem), Ethernet 10/100, up to 4 Mbps [J.5.2 (Set No.50) (11) (a)]

(1.8.5.2.218) Yes, VTU will, at a minimum, meet the following specification

11. Network Interface support:

(a) IP (LAN, DSL, cable modem), Ethernet 10/100, up to 4 Mbps

VTU shall, at a minimum, meet the following specification

11. Network Interface support:

(b) ISDN, Quad BRI S/T, up to 512 Kbps [J.5.2 (Set No.50) (11) (b)]

(1.8.5.2.219) Yes, VTU will, at a minimum, meet the following specification

11. Network Interface support:

(b) ISDN, Quad BRI S/T, up to 512 Kbps

VTU shall, at a minimum, meet the following specification

11. Network Interface support:

(c) V.35/RS-449 with RS-366 dialing, up to 2 Mbps [J.5.2 (Set No.50) (11) (c)]

(1.8.5.2.220) Yes, VTU will, at a minimum, meet the following specification

11. Network Interface support:

(c) V.35/RS-449 with RS-366 dialing, up to 2 Mbps

VTU shall, at a minimum, meet the following specification

11. Network Interface support:

(d) Voice-only and voice-add calls over ISDN and IP [J.5.2 (Set No.50) (11) (d)]

(1.8.5.2.221) Yes, VTU will, at a minimum, meet the following specification

11. Network Interface support:

(d) Voice-only and voice-add calls over ISDN and IP

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(a) Room Controller: Graphical interface such as color video touchscreen controller to control all aspects of the video conference and peripherals including cameras, VCRs, and DVDs [J.5.2 (Set No.50) (12) (a)]

(1.8.5.2.222) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(a) Room Controller: Graphical interface such as color video touchscreen controller to control all aspects of the video conference and peripherals including cameras, VCRs, and DVDs

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(b) Display Monitor: 50"Remote controlled wall-mounted plasma display monitor with 16:9 high resolution wide screen format. **[J.5.2 (Set No.50) (12) (b)]**

(1.8.5.2.223) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(b) Display Monitor: 50"Remote controlled wall-mounted plasma display monitor with 16:9 high resolution wide screen format.

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(c) Main Cameras: One main and one auxiliary. Remote controlled with Wide angle view 10x zoom, +15°/-20° tilt, and +/-95° pan. The camera feature include: Auto and manual focus/brightness/white balance; near and far-end camera pre-sets. **[J.5.2 (Set No.50) (12) (c)]**

(1.8.5.2.224) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(c) Main Cameras: One main and one auxiliary. Remote controlled with Wide angle view 10x zoom, +15°/-20° tilt, and +/-95° pan. The camera feature include: Auto and manual focus/brightness/white balance; near and far-end camera pre-sets.

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(d) Overhead Document Camera: Document camera with XGA resolution output. Camera will be used to show documents and objects such as books or products. **[J.5.2 (Set No.50) (12) (d)]**

(1.8.5.2.225) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(d) Overhead Document Camera: Document camera with XGA resolution output. Camera will be used to show documents and objects such as books or products.

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(e) Audio Amplifier and Speaker System; CD quality 20 kHz stereo sound **[J.5.2 (Set No.50) (12) (e)]**

(1.8.5.2.226) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(e) Audio Amplifier and Speaker System; CD quality 20 kHz stereo sound

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(f) Table Top Microphones: Two Table Top microphones with 360° voice pick-up; unidirectional performance; Automatic room noise reduction; built-in gated mixer; and ceiling or wall mountable. [J.5.2 (Set No.50) (12) (f)]

(1.8.5.2.227) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(f) Table Top Microphones: Two Table Top microphones with 360° voice pick-up; unidirectional performance; Automatic room noise reduction; built-in gated mixer; and ceiling or wall mountable.

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(g) VCR: For recording video conferences (PAL/NTSC) [J.5.2 (Set No.50) (12) (g)]

(1.8.5.2.228) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(g) VCR: For recording video conferences (PAL/NTSC)

Set No. 51: Offeror shall propose priceable SED item(s) that constitute a cart-based roll-about Video Terminal Unit (VTU) System, to provide video room conferencing in compliance with the VTS requirements specified in the Section C.2.8.1 [J.5.2 (Set No.51)]

(1.8.5.2.229) Yes, AT&T will propose priceable SED item(s) that constitute a cart-based roll-about Video Terminal Unit (VTU) System, to provide video room conferencing in compliance with the VTS requirements specified in the Section C.2.8.1

VTU shall, at a minimum, meet the following specification.

1. Standards compliance: ITU H.323 and ITU H.320 [J.5.2 (Set No.51) (1)]

(1.8.5.2.230) Yes, VTU will, at a minimum, meet the following specification.

1. Standards compliance: ITU H.323 and ITU H.320

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(a) Digital conferencing recording (DVD and/or VCR) [J.5.2 (Set No.51) (2) (a)]

(1.8.5.2.231) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(a) Digital conferencing recording (DVD and/or VCR)

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(b) Camera presets [J.5.2 (Set No.51) (2) (b)]

(1.8.5.2.232) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(b) Camera presets

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(c) Lip synchronization [J.5.2 (Set No.51) (2) (c)]

(1.8.5.2.233) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(c) Lip synchronization

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(d) Chair remote control of the cameras, microphones, and other conferencing equipment [J.5.2 (Set No.51) (2) (d)]

(1.8.5.2.234) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(d) Chair remote control of the cameras, microphones, and other conferencing equipment

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(e) Support for dual monitors [J.5.2 (Set No.51) (2) (e)]

(1.8.5.2.235) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(e) Support for dual monitors

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(f) Movable Picture-in-Picture (PIP) [J.5.2 (Set No.51) (2) (f)]

(1.8.5.2.236) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(f) Movable Picture-in-Picture (PIP)

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(g) Capability of using laptop (PC) as a source of display in conferencing [J.5.2 (Set No.51) (2) (g)]

(1.8.5.2.237) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(g) Capability of using laptop (PC) as a source of display in conferencing

VTU shall, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(h) System management tools and diagnostics [J.5.2 (Set No.51) (2) (h)]

(1.8.5.2.238) Yes, VTU will, at a minimum, meet the following specification.

2. Conferencing features and capabilities support:

(h) System management tools and diagnostics

VTU shall, at a minimum, meet the following specification.

3. Video Standards support: H.261, H.263, H.263+, H.263++, and H.264 [J.5.2 (Set No.51) (3)]

(1.8.5.2.239) Yes, VTU will, at a minimum, meet the following specification.

3. Video Standards support: H.261, H.263, H.263+, H.263++, and H.264

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:

(a) PC input [J.5.2 (Set No.51) (4) (a)]

(1.8.5.2.240) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(a) PC input

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:

(b) XGA (1024x768) [J.5.2 (Set No.51) (4) (b)]

(1.8.5.2.241) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(b) XGA (1024x768)

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:

(c) SVGA (800x600) [J.5.2 (Set No.51) (4) (c)]

(1.8.5.2.242) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(c) SVGA (800x600)

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:

(d) VGA (640x480) [J.5.2 (Set No.51) (4) (d)]

(1.8.5.2.243) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(d) VGA (640x480)

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:

(e) S-Video or composite inputs [J.5.2 (Set No.51) (4) (e)]

(1.8.5.2.244) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(e) S-Video or composite inputs

VTU shall, at a minimum, meet the following specification.

4. Content Video Resolution support:

(f) 4CIF (704 x 576 pixels), NTSC, CIF (352 x 288 pixels) [J.5.2 (Set No.51) (4) (f)]

(1.8.5.2.245) Yes, VTU will, at a minimum, meet the following specification.

4. Content Video Resolution support:

(f) 4CIF (704 x 576 pixels), NTSC, CIF (352 x 288 pixels)

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:

(a) CIF (352 x 288 pixels) [J.5.2 (Set No.51) (5) (a)]

(1.8.5.2.246) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(a) CIF (352 x 288 pixels)

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:

(b) QCIF (176 x 144 pixels) [J.5.2 (Set No.51) (5) (b)]

(1.8.5.2.247) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(b) QCIF (176 x 144 pixels)

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:

(c) 30 fps at 256 Kbps and above [J.5.2 (Set No.51) (5) (c)]

(1.8.5.2.248) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(c) 30 fps at 256 Kbps and above

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:

(d) Interlaced video (352 x 480 pixels) at 336 Kbps and above [J.5.2 (Set No.51) (5) (d)]

(1.8.5.2.249) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(d) Interlaced video (352 x 480 pixels) at 336 Kbps and above

VTU shall, at a minimum, meet the following specification.

5. People Video Resolution support:

(e) NTSC/4 (352 x 240 pixels) [J.5.2 (Set No.51) (5) (e)]

(1.8.5.2.250) Yes, VTU will, at a minimum, meet the following specification.

5. People Video Resolution support:

(e) NTSC/4 (352 x 240 pixels)

VTU shall, at a minimum, meet the following specification.

6. Video Input support:

(a) Main camera: - people [J.5.2 (Set No.51) (6) (a)]

(1.8.5.2.251) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support:

(a) Main camera: - people

VTU shall, at a minimum, meet the following specification.

6. Video Input support:

(b) Auxiliary: - people or content [J.5.2 (Set No.51) (6) (b)]

(1.8.5.2.252) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support:

(b) Auxiliary: - people or content

VTU shall, at a minimum, meet the following specification.

6. Video Input support:

(c) Video content (document camera, etc.): [J.5.2 (Set No.51) (6) (c)]

(1.8.5.2.253) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support:

(c) Video content (document camera, etc.):

VTU shall, at a minimum, meet the following specification.

6. Video Input support:

(d) PC/laptop direct input [J.5.2 (Set No.51) (6) (d)]

(1.8.5.2.254) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support:

(d) PC/laptop direct input

VTU shall, at a minimum, meet the following specification.

6. Video Input support:

(e) VCR (RCA) – content [J.5.2 (Set No.51) (6) (e)]

(1.8.5.2.255) Yes, VTU will, at a minimum, meet the following specification.

6. Video Input support:

(e) VCR (RCA) – content

VTU shall, at a minimum, meet the following specification.

7. Video Output support:

(a) Main display/content display: SVGA or XGA [J.5.2 (Set No.51) (7) (a)]

(1.8.5.2.256) Yes, VTU will, at a minimum, meet the following specification.

7. Video Output support:

(a) Main display/content display: SVGA or XGA

VTU shall, at a minimum, meet the following specification.

7. Video Output support:

(b) People display: NTSC or PAL (S-video, composite) [J.5.2 (Set No.51) (7) (b)]

(1.8.5.2.257) Yes, VTU will, at a minimum, meet the following specification.

7. Video Output support:

(b) People display: NTSC or PAL (S-video, composite)

VTU shall, at a minimum, meet the following specification.

7. Video Output support:

(c) VCR output (RCA) [J.5.2 (Set No.51) (7) (c)]

(1.8.5.2.258) Yes, VTU will, at a minimum, meet the following specification.

7. Video Output support:

(c) VCR output (RCA)

VTU shall, at a minimum, meet the following specification.

8. Audio Standards support:

(a) 14 kHz [J.5.2 (Set No.51) (8) (a)]

(1.8.5.2.259) Yes, VTU will, at a minimum, meet the following specification.

8. Audio Standards support:

(a) 14 kHz

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(b) 7 kHz with PT716plus, PT724, G.722.1, G.722 [J.5.2 (Set No.51) (8) (b)]

(1.8.5.2.260) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(b) 7 kHz with PT716plus, PT724, G.722.1, G.722

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(c) 3.4 kHz with G.711, G.723.1, G.728, G.729 [J.5.2 (Set No.51) (8) (c)]

(1.8.5.2.261) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(c) 3.4 kHz with G.711, G.723.1, G.728, G.729

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(d) Echo Cancellation [J.5.2 (Set No.51) (8) (d)]

(1.8.5.2.262) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(d) Echo Cancellation

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(e) Automatic Gain Control (AGC) [J.5.2 (Set No.51) (8) (e)]

(1.8.5.2.263) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(e) Automatic Gain Control (AGC)

VTU shall, at a minimum, meet the following specification

8. Audio Standards support:

(f) Automatic Noise Suppression (ANS) [J.5.2 (Set No.51) (8) (f)]

(1.8.5.2.264) Yes, VTU will, at a minimum, meet the following specification

8. Audio Standards support:

(f) Automatic Noise Suppression (ANS)

VTU shall, at a minimum, meet the following specification

9. Audio Input support:

(a) 2 microphone inputs, with daisy-chain capability [J.5.2 (Set No.51) (9) (a)]

(1.8.5.2.265) Yes, VTU will, at a minimum, meet the following specification

9. Audio Input support:

(a) 2 microphone inputs, with daisy-chain capability

VTU shall, at a minimum, meet the following specification

9. Audio Input support:

(b) Line-level (RCA) [J.5.2 (Set No.51) (9) (b)]

(1.8.5.2.266) Yes, VTU will, at a minimum, meet the following specification

9. Audio Input support:

(b) Line-level (RCA)

VTU shall, at a minimum, meet the following specification

9. Audio Input support:

(c) 1 PC audio input [J.5.2 (Set No.51) (9) (c)]

(1.8.5.2.267) Yes, VTU will, at a minimum, meet the following specification

9. Audio Input support:

(c) 1 PC audio input

VTU shall, at a minimum, meet the following specification

9. Audio Input support:

(d) 1 VCR input (RCA) [J.5.2 (Set No.51) (9) (d)]

(1.8.5.2.268) Yes, VTU will, at a minimum, meet the following specification

9. Audio Input support:

(d) 1 VCR input (RCA)

VTU shall, at a minimum, meet the following specification

10. Audio Output support:

(a) Main audio left and right (RCA) [J.5.2 (Set No.51) (10) (a)]

(1.8.5.2.269) Yes, VTU will, at a minimum, meet the following specification

10. Audio Output support:

(a) Main audio left and right (RCA)

VTU shall, at a minimum, meet the following specification

10. Audio Output support:

(b) VCR output (RCA) [J.5.2 (Set No.51) (10) (b)]

(1.8.5.2.270) Yes, VTU will, at a minimum, meet the following specification

10. Audio Output support:

(b) VCR output (RCA)

VTU shall, at a minimum, meet the following specification

11. Network Interface support:

(a) IP (LAN, DSL, cable modem), Ethernet 10/100, up to 4 Mbps [J.5.2 (Set No.51) (11) (a)]

(1.8.5.2.271) Yes, VTU will, at a minimum, meet the following specification

11. Network Interface support:

(a) IP (LAN, DSL, cable modem), Ethernet 10/100, up to 4 Mbps

VTU shall, at a minimum, meet the following specification

11. Network Interface support:

(b) ISDN, Quad BRI S/T, up to 512 Kbps [J.5.2 (Set No.51) (11) (b)]

(1.8.5.2.272) Yes, VTU will, at a minimum, meet the following specification

11. Network Interface support:

(b) ISDN, Quad BRI S/T, up to 512 Kbps

VTU shall, at a minimum, meet the following specification

11. Network Interface support:

(c) V.35/RS-449 with RS-366 dialing, up to 2 Mbps [J.5.2 (Set No.51) (11) (c)]

(1.8.5.2.273) Yes, VTU will, at a minimum, meet the following specification

11. Network Interface support:

(c) V.35/RS-449 with RS-366 dialing, up to 2 Mbps

VTU shall, at a minimum, meet the following specification

11. Network Interface support:

(d) Voice-only and voice-add calls over ISDN and IP [J.5.2 (Set No.51) (11) (d)]

(1.8.5.2.274) Yes, VTU will, at a minimum, meet the following specification

11. Network Interface support:

(d) Voice-only and voice-add calls over ISDN and IP

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(a) Hand Held Remote Controller: Handheld remote controller to control all aspects of the video conference and peripherals including cameras, VCRs, and DVDs. [J.5.2 (Set No.51) (12) (a)]

(1.8.5.2.275) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(a) Hand Held Remote Controller: Handheld remote controller to control all aspects of the video conference and peripherals including cameras, VCRs, and DVDs.

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(b) Display Monitor: 32" display monitor with roll-about utility Cart. [J.5.2 (Set No.51) (12) (b)]

(1.8.5.2.276) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(b) Display Monitor: 32" display monitor with roll-about utility Cart.

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(c) Camera: Integrated detachable remote controlled camera with wide angle view 10x zoom, +15°/-20° tilt, and +/- 95° pan. The camera feature include Auto and manual focus/brightness/white balance; near and far-end camera presets. **[J.5.2 (Set No.51) (12) (c)]**

(1.8.5.2.277) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(c) Camera : Integrated detachable remote controlled camera with wide angle view 10x zoom, +15°/-20° tilt, and +/- 95° pan. The camera feature include: Auto and manual focus/brightness/white balance; near and far-end camera presets.

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(d) Overhead Document Camera: Document camera with XGA resolution output. Camera will be used to show documents and objects such as books or products. **[J.5.2 (Set No.51) (12) (d)]**

(1.8.5.2.278) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(d) Overhead Document Camera: Document camera with XGA resolution output. Camera will be used to show documents and objects such as books or products.

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(e) Audio Amplifier and Speaker System; CD quality 20 kHz stereo sound **[J.5.2 (Set No.51) (12) (e)]**

(1.8.5.2.279) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(e) Audio Amplifier and Speaker System; CD quality 20 kHz stereo sound

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(f) Table Top Microphone: Table Top microphones with 360° voice pick-up; unidirectional performance; Automatic room noise reduction; built in gated mixer; and ceiling or wall mountable. **[J.5.2 (Set No.51) (12) (f)]**

(1.8.5.2.280) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(f) Table Top Microphone: Table Top microphones with 360° voice pick-up; unidirectional performance; Automatic room noise reduction; built in gated mixer; and ceiling or wall mountable.

VTU shall, at a minimum, meet the following specification

12. Conference room system equipment shall include:

(g) VCR: For recording video conferences (PAL/NTSC) [J.5.2 (Set No.51) (12) (g)]

(1.8.5.2.281) Yes, VTU will, at a minimum, meet the following specification

12. Conference room system equipment will include:

(g) VCR: For recording video conferences (PAL/NTSC)

The offeror shall propose a priceable IP Phone-based IPTeS SED that shall be a hardware device and that shall support the Type 1 User-to-Network-Interface (UNI) listed in Section C.2.7.10.3.2. [J.5.2 (Set No.52) (1)]

(1.8.5.2.282) Yes, AT&T will propose a priceable IP Phone-based IPTeS

SED that will be a hardware device and that will support the Type 1 User-to-Network-Interface (UNI) listed in Section C.2.7.10.3.2.

The SED shall have an Ethernet switch to connect to a co-located Personal Computer (PC), and use an external, local a.c. power adapter. [J.5.2 (Set No.52) (2)]

(1.8.5.2.283) Yes, the SED will have an Ethernet switch to connect to a co-located Personal Computer (PC), and use an external, local a.c. power adapter.

3. The SED shall provide the following minimum capabilities:

(a) Multiple line appearances with a minimum of 3 lines [J.5.2 (Set No.52) (3) (a)]

(1.8.5.2.284) Yes, the SED will provide the following minimum capabilities:

(a) Multiple line appearances with a minimum of 3 lines

3. The SED shall provide the following minimum capabilities:

(b) A digital display with contrast controls [J.5.2 (Set No.52) (3) (b)]

(1.8.5.2.285) Yes, the SED will provide the following minimum capabilities:

(b) A digital display with contrast controls

3. The SED shall provide the following minimum capabilities:

(c) Speakerphone capability with a mute button and adjustable volume control [J.5.2 (Set No.52) (3) (c)]

(1.8.5.2.286) Yes, the SED will provide the following minimum capabilities:

(c) Speakerphone capability with a mute button and adjustable volume control

3. The SED shall provide the following minimum capabilities:

(d) Adjustable internal footstand [J.5.2 (Set No.52) (3) (d)]

(1.8.5.2.287) Yes, the SED will provide the following minimum capabilities:

(d) Adjustable internal foot stand

3. The SED shall provide the following minimum capabilities:

(e) Message waiting indicator [J.5.2 (Set No.52) (3) (e)]

(1.8.5.2.288) Yes, the SED will provide the following minimum capabilities:

(e) Message waiting indicator

3. The SED shall provide the following minimum capabilities:

(f) Adjustable ringer and ring tone volume controls [J.5.2 (Set No.52) (3) (f)]

(1.8.5.2.289) Yes, the SED will provide the following minimum capabilities:

(f) Adjustable ringer and ring tone volume controls

3. The SED shall provide the following minimum capabilities:

(g) Dedicated call hold, transfer, and conference buttons [J.5.2 (Set No.52) (3) (g)]

(1.8.5.2.290) Yes, the SED will provide the following minimum capabilities:

(g) Dedicated call hold, transfer, and conference buttons

3. The SED shall provide the following minimum capabilities:

(h) Programmable function keys and speed dial buttons [J.5.2 (Set No.52) (3) (h)]

(1.8.5.2.291) Yes, the SED will provide the following minimum capabilities:

(h) Programmable function keys and speed dial buttons

3. The SED shall provide the following minimum capabilities:

(i) An adapter kit for wall mounting [J.5.2 (Set No.52) (3) (i)]

(1.8.5.2.292) Yes, the SED will provide the following minimum capabilities:

(i) An adapter kit for wall mounting

3. The SED shall provide the following minimum capabilities:

(j) Standard length Line Cord to connect the IP phone to the wall jack [J.5.2 (Set No.52) (3) (j)]

(1.8.5.2.293) Yes, the SED will provide the following minimum capabilities:

(j) Standard length Line Cord to connect the IP phone to the wall jack

3. The SED shall provide the following minimum capabilities:

(k) Standard length Handset Cord to connect the handset to the IP phone [J.5.2 (Set No.52) (3) (k)]

(1.8.5.2.294) Yes, the SED will provide the following minimum capabilities:

(k) Standard length Handset Cord to connect the handset to the IP phone

3. The SED shall provide the following minimum capabilities:

(l) A dedicated headset adapter port [J.5.2 (Set No.52) (3) (l)]

(1.8.5.2.295) Yes, the SED will provide the following minimum capabilities:

(l) A dedicated headset adapter port

4. The contractor shall ensure that the SED meet the requirements outlined in Section C.2.7.10.1. [J.5.2 (Set No.52) (4)]

(1.8.5.2.296) Yes, AT&T will ensure that the SED meet the requirements

outlined in Section C.2.7.10.1.

5. The SED shall have the capability to support the specific IPTeIS features listed in Section C.2.7.10.2.1. [J.5.2 (Set No.52) (5)]

(1.8.5.2.297) Yes, the SED will have the capability to support the specific

IPTeIS features listed in Section C.2.7.10.2.1.

1. The offeror shall propose a priceable PC-client based softphone IPTeIS SED that will enables Agency subscribers to use IPTeIS via their PC and shall support the Type 1 User-to-Network-Interface (UNI) listed in Section C.2.7.10.3.2 [J.5.2 (Set No.53) (1)]

[REDACTED]