ADDENDUM #2

Questions & Answers for RFP 742-21-176-2

1. How many total rooms are in ResNet?

Answer: It’s not so much about rooms as it is beds. Many rooms are shared, but have multiple beds. We have included an addendum that details the number of beds per building.

1. How many buildings support 33 residents?

Answer: 15

1. How many buildings support 19 residents?

Answer: 10

1. How many AP's are currently installed?

Answer: Approximately 303

1. What backhaul cabling supports inter-building connectivity?

Answer: A combination of multi-mode and single-mode fiber. Our buildings have been constructed over the last 20 years, fiber types have changed during that time.

1. If fiber, please specify the type:
	1. Single Mode - Yes, available between the newer buildings
	2. Multimode; OM3, OM4, etc. – Some OM1, OM3, OM4

Answer: Single-mode is available between the newer buildings, others have either OM1 or OM3 installed.

1. Please specify the number of backhaul cable runs per building.

Answer: That really depends on each building, typically no less than 12 strands with buildings 64, 66, 68, 70, 72, and 74 only having 4 strands of OM1 multi-mode.

1. Is there a single or multiple MDF locations that support inter-building connectivity?

Answer: There are multiple

1. We'd also like to request diagrams or floor-plans of the buildings if possible.

Answer: These will be provided in Addendum #3

**General**

1. What is the number of dorm buildings?

Answer: 39

1. What is the number of serviced rooms per building?

Answer: It depends, please refer to addendum detailing bed counts per building.

1. Are the room equipped with a single drop or are their multiple drops per room?

Answer: One drop per bed, some have a living area with a drop there as well.

1. The RFP references the ability to meet established SLAs. Are these SLAs published or established after the RFP award?

Answer: They will be mutually agreed upon following the contract award. Please propose what you recommend providing, if fine tuning is needed that can be accomplished prior to award of selected vendor.

1. What level of user authentication will be required for the residence to access the network?

Answer: At a minimum, you should be able to allow students to self-register and create their own credentials on your systems. You should also be able to provide a list of guest credentials that Housing staff can issue for special events like summer camps. We would entertain a using SAML to authenticate against our user database or perhaps an eduroam implementation. We are in development with eduroam at this time, but do have production SAML capabilities. In ether case, you would need to be able to support guest authentication without requiring the campus to generate guest accounts.

**Bandwidth**

1. How will access to the UTPB network be provided?

Answer: The only requirement to interface with the UTPB network is for the delivery of camera & access control signals as well as a couple of other nominal devices via a couple of VLAN at our campus telecommunication demarc.

1. Will the awarded vendor need to provide connectivity to the internet?

Answer: Absolutely. All bandwidth for this project must be procured and provided as part of the turn-key project.

1. How is access to the RESNET delivered and supported?

Answer: We assume you are referring to how bandwidth to the campus will be delivered. There are currently 3 carriers on campus, AT&T, Grande, and Sparklight. You are welcome to use one of them or have a carrier of your choice construct into campus. If your proposal requires construction, please explain in your response.

1. What is meant by the provision for “annual bandwidth increases”?

Answer: Annually the amount of bandwidth provided to Resnet should be evaluated to ensure it’s sufficient to meet the agreed upon SLA.

1. Can you provide any direction on basic versus premium bandwidth and expectations from UTPB?

Answer: Minimum basic service would be 100 Mbps bi-directional per student. Premium would be on the order of either double or triple that amount.

**Hardware**

1. What hardware, if any, is currently in place and can be utilized for this service? (ie. Firewalls, routers, switches, WAPs, … etc.)

Answer: No existing hardware can be used. Awarded vendor to provide everything to operate this network.

1. Will any cabling be required for either WAPs or hardwire connections?

Answer: Existing cabling should be sufficient, but individual wireless manufacturer’s equipment may necessitate the installation of additional wiring to provide sufficient coverage. All additional wiring is the responsibility of the awarded vendor.

1. Will there be sufficient rack space onsite for the required hardware or will an offsite support center be required?

Answer: Each building IDF should be able to accommodate that building’s hardware. If you have need for a large rack for core network devices, you will need to provide an appropriate rack for that equipment. We do have a room that can accommodate this rack.

**Billing**

1. Are services billed to the university annually?

Answer: Services shall be billed monthly.

1. Would premium services be billed to the residence by the semester?

Answer: That would be acceptable.

1. Would payment via credit/debit card be sufficient?

Answer: Yes

1. Costs to the university would be calculated at costs per bed/month?

Answer: Yes

1. All costs for hardware, software, and support would be spread across a 36-month term?

Answer: Yes

1. Outside of DIR, does UTPB require any out clauses in the agreement?

Answer: See RFP Section 8 Default and Termination

1. How many public/common rooms are there?

Answer: see attached addendum 2 Excel spreadsheet

1. How many beds per room?

Answer: That depends upon the room, there is s mixture of single beds and multiple beds in a single room through the facility. Please refer to addendum detailing number of beds per building.

1. What type of cabling is there between the rooms and the dist room?

Answer: Anything from Cat 5e to Cat 6 depending upon the building’s age.

1. What type of cabling exists IDS to the MDS?

Answer: We assume you are referring to IDF and MDF. Please refer to questions 5 & 6.

1. Are the IDS rooms secured?

Answer: Yes, all have locking doors.

1. Can we propose a set top box over the internet in lieu of cable TV solution?

Answer: No CATV service is requested.

1. How many public/common rooms are there?

Answer: see attached addendum 2 Excel spreadsheet

1. How many beds per room?

Answer: See question #30.

1. What type of cabling is there between the rooms and the dist room?

Answer: See question #31.

1. What type of cabling exists IDS to the MDS?

Answer: See question #32.

1. Are the IDS rooms secured?

Answer: See question #33.

1. Can we propose a set top box over the internet in lieu of cable TV solution?

Answer: See question #34.

1. Is there fiber between the buildings?

Answer: Yes

1. Can we please have a copy of each floorplan/siteplan?

Answer: This will be provided in Addendum #3

1. What type of cabling is between the IDF and the door room (Cat6e, Cat5e)?

Answer: See question #31.

1. What type of cabling is between the Main Distribution Frame (MDF) and (IDF) Fiber (MM/SM, Cat6e, Cat5e),?

Answer: See questions #5 & 6.

1. What type of cabling is between the buildings? (Fiber SM, MM)

Answer: See question #6.

1. Are there available open conduits between the?
	1. MDF – IDF
	2. IDF – door room
	3. Between the buildings

Answer: Some conduit availability does exist between certain locations, but not all.

1. Is there a central equipment room with cable access to the all the main equipment rooms located secondary buildings.

Answer: No, there are multiple IDF’s where a number of buildings connect, but not one single building where everything terminates.

1. Are you provide floor plans?

Answer: This will be provided in Addendum #3

1. Is there rack space and power in the equipment rooms and closets?

Answer: Yes, every dorm building had an existing rack and at least a 15A circuit.

1. Total property assembly-areas (areas for groups greater than 30 people such as auditoriums or conference areas)?

Answer: see attached addendum 2

1. Are the common-areas or assembly spaces larger than 2,800 square feet and require coverage?

Answer: Yes, the Dining Hall in the RDH building would require coverage

1. If Yes, please provide approximate size by space

Answer: This will be provided in Addendum #3

1. Examples: Roof-top pool: 3,000 sq.ft. | Parking Garage- 4 stories 5,000 sq.ft. | Conference Room: Seating for 20: 2,000 sq.ft.

Answer: Dining Hall – A 2-story facility. No idea on the square footage.

1. Do you want an additional wired port installed in each living unit?

Answer: No, existing wired service covers everyone.

1. If Existing Building(s):
	1. What is the ceiling structure (drywall or ceiling tiles)?
	2. If drywall ceilings, are there existing access panels or doors?
	3. If no access panels or doors, would you prefer AT&T to place access doors or repair drywall or will you be responsible for this?
	4. Are there existing riser sleeves between floors with room for new cabling?\
	5. Are there existing Fiber Interconnects between main equipment room and distributed equipment closets AT&T can use?
	6. Please confirm the type of Ethernet cabling through the halls to the units.
	7. Will the property provide permission to allow AT&T to use the existing ethernet cabling?

Answer: a. Most everything is drywall (most of these are apartment style buildings)

 b. Access panels only existing in the RDH.

c. It’s not clear why you intend to cut holes in the drywall, cabling infrastructure already exists.

 d. No

 e. See question #6

 f. See question #31

 g. Yes

1. Total Buildings

Answer: See building addendum

1. Total floors (ex: 2 Buildings w/3 floors each would be a total of 6 floors)

Answer: All building are 2 floors with the exception of the RDH which is 3.

1. Property Total Units

Answer: See building addendum

1. Property Total Beds

Answer: See building addendum

1. Total equipment rooms and closets on site

Answer: 1 per building, RDH has 2

1. Per the InCommon site ([https://secure-web.cisco.com/1F6ttgiNa0BguWnLGnAwdZHl3kHBBUFs36dnTIjT-TAEezSg6u\_tBFeO4pNLt4D1Bb\_3gx3-T-qnmIArACbnniBZEOt9OyvZfkTUsmUBp9DD9XoIvhbpaJdypR1BUAXj\_Y5haGHaf6womktTi1PdOLsxSQCt5Ek5tjX1iGxdjCeoMnG3KIhQccKnUk-B5dSLG8j-CA-wSYh40MfpipRyW6RfjP4C-nT1JcDrBf9p0JBYWAaOjguqFVDb-7xYu2IAsLupvTdQo2oL1q-h6V3DE-PJcDViYEYC3Izyu3CEQ5c\_3wQRFSeTs0KTMuAZGw4xV/https%3A%2F%2Fwww.incommon.org%2Feduroam%2Feduroam-u-s-connectors%2F](https://secure-web.cisco.com/1F6ttgiNa0BguWnLGnAwdZHl3kHBBUFs36dnTIjT-TAEezSg6u_tBFeO4pNLt4D1Bb_3gx3-T-qnmIArACbnniBZEOt9OyvZfkTUsmUBp9DD9XoIvhbpaJdypR1BUAXj_Y5haGHaf6womktTi1PdOLsxSQCt5Ek5tjX1iGxdjCeoMnG3KIhQccKnUk-B5dSLG8j-CA-wSYh40MfpipRyW6RfjP4C-nT1JcDrBf9p0JBYWAaOjguqFVDb-7xYu2IAsLupvTdQo2oL1q-h6V3DE-PJcDViYEYC3Izyu3CEQ5c_3wQRFSeTs0KTMuAZGw4xV/https%3A//www.incommon.org/eduroam/eduroam-u-s-connectors/)) it looks like UTPB is in the process of implementing eduroam.  Does the University desire an eduroam integration in the residence hall space?

Answer: Not required, but would be something we might consider. Would also consider utilizing SAML authentication.