MIT Division of Student Life

Principles for providing network service to all residential buildings

VISION

- Network service is an essential residential utility (e.g., power, water, and heating) that should be integrated into each building's capital renewal plan. Additionally, the proportional costs incurred by IS&T to provide this utility and sustain it as part of the overall campus network infrastructure will be included in each buildings capital renewal plan.

- Due to evolving technology, this statement of principles will be reviewed annually by a cross functional team from IS&T, Residential Life (Housing & FSILGs), and building resident representatives. This group will be convened by the Senior Associate Dean for Residence Life and Dining, who, with the concurrence of the IS&T Associate Director for Infrastructure and Operations, will also approve proposed changes to this statement of principles.

MINIMUM SERVICE LEVELS

- Residents should be able to connect their personal devices to the network, including laptops, smart phones, and tablets to the extent these devices are compatible with an enterprise class network.

- Each building should have ubiquitous wireless coverage (both cellular* and Wi-Fi).

  [* cellular coverage for campus buildings only]

- Each resident should have at least 1 wired port per pillow in their residence. Family housing units will have at least 2 wired ports per residence.

- Residents will receive support from IS&T for infrastructure and help desk issues.

- Network service will be provided subject to MIT's campus network security policies, with the expectation users will adhere to the MITnet rules of use.

MINIMUM DELIVERY STANDARDS

- 1 gigabit service to each building

- 1 gigabit service to each wired port within each building

- Wireless, 802.11xx (e.g., AC, N, G)

- Network service comparable to that of academic buildings

INFRASTRUCTURE

- Telecom rooms will provide 24/7 cooling, UPS/Generator power and card accessible doors with sufficient square footage for supporting networking needs for equipment and cabling pathways.

- In the FSILGs, Telecom rooms will adhere to the requirements of the FSILG Network Maintenance Program of the MIT Association of Independent Living Groups (AILG).