

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 building's annual maintenance and/or capital renewal plans.
- 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 Housing and Residential Services, who, with the concurrence of the IS&T 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.
- 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

- In MIT owned and operated buildings, Telecom rooms will provide 24/7 cooling, dedicated power, UPS/Generator power and card accessible doors with sufficient square footage for supporting networking needs for equipment and cabling pathways. Where possible, IS&T will provide improved cellular coverage for some carrier networks.
- In FSILG operated buildings, Telecom rooms will adhere to the requirements of the FSILG Network Maintenance Program of the MIT Association of Independent Living Groups (AILG). The FSILGs own the internal cabling, while IS &T provides the hardware which support networking and connections to the campus infrastructure.