

# MechSE WELLness

## T06 Thermal Comfort Monitoring

**Intent: Care for the thermal comfort of everyone in case of HVAC system malfunction or in reasonable consideration of personal needs to achieve optimum productivity.**

Unfavorable levels of heat, humidity, and ventilation are associated with people's experience of itchy eyes, headache, and throat irritation. Outdoor weather, indoor occupancy, and building physics and performance, including ventilation rates, are highly variable and have a direct impact on human perceptions of thermal comfort.

**Impact: Monitoring thermal comfort in real-time ultimately improves human health, well-being, and productivity.**

### **What are the requirements to earn this credit?**

1. Measurements of temperature, relative humidity, air speed, and mean radiant temperature are taken every 10 minutes or less, every 10 minutes or less, every 3 months or less, and every three months or less respectively.
2. Measurement devices are located 3.3 feet or 1 meter away from exterior walls, doors, windows, direct sunlight, air supply/exhaust, fans, heaters, or other significant source of heat or cold.
3. Data is analyzed for regularly occupied hours and annually submitted to WELL Online.
4. Temperature and relative humidity sensors are recalibrated annually and certificates attesting to their calibration are submitted annually to WELL Online.
5. Air speed and mean radiant temperature sensors are recalibrated per manufacturer's recommendation.

### **How is MechSE accomplishing these requirements?**

Every thermal zone is continuously monitored via the HVAC controls systems and programming. Facilities has created a re-occurring schedule to measure the mean radiant temperature in specific locations on each floor per the policy.



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