

GUIDELINE 14. SURGE PROTECTION

1.0 PURPOSE

- 1.1 To standardize the use safe and proper use of surge protectors used on campus.

2.0 DEFINITIONS

- 2.1 **Surge Protector** – Is a multi plug appliance that is designed to protect electrical devices form voltage spikes.

3.0 RESPONSIBILITY

- 3.1 Any one who uses a surge protector on the University of Pennsylvania's campuses

4.0 PROCEDURES

4.1 Surge Protector Requirements

- 4.1.1 Only surge protectors are listed and certified by Underwriters Laboratory and FM Global may be used.
- 4.1.2 Surge protectors must have built in circuit breakers.
- 4.1.3 Surge protectors must have a secure ground prong.
- 4.1.4 The ampere & voltage capacity of the device must be clearly indicated on the surge protector.

4.2 Surge Protector Use

- 4.2.1 All surge protectors' use must be consistent with the listing/labeling conditions and the manufacturers' instructions.
- 4.2.2 Surge protector must be connected directly to a wall outlet and never be connected to one or another extension cord.
- 4.2.3 Surge protectors must not extend through walls, ceilings, floors, under doors, under floor coverings, or be subject to environmental or physical damage.
- 4.2.4 Applied load of the surge protector must be within the acceptable range listed on the device. Light-duty household-type devices are not appropriate for use in University facilities.

5.0 GENERAL REFERENCES

- 5.1 **Philadelphia Fire Code, Chapter 605.4**
- 5.2 **University of Pennsylvania, EHRS Electrical Safety Fact Sheet.**
http://www.ehrs.upenn.edu/media_files/docs/pdf/electricalsafetyfactsheet.pdf

6.0 CONTACT INFORMATION

- 6.1** For emergencies, contact PennComm at 215-573-3333.
- 6.2** For question regarding this guideline contact Fire and Emergency Services at (215) 573-7857.