RELOCATABLE POWER TAPS - UL REQUIREMENTS

February 2022 Training Topic: Is your Facility Compliant with RPT's?

Audience: Plant Operations, please share with Clinical Personnel Department Heads, IT, Materials Management

Related Policy: EC.02.06.01.1.a- Electrical Power Strips Policy

Subject to RFI: frequently cited by TJC, particularly in ORs and other patient related areas.

POWER STRIP SAFETY AND REGULATORY COMPLIANCE

Non-Compliant RPT



Compliant RPT



POWER STRIP SAFETY AND REGULATORY COMPLIANCE

Non-Compliant RPT



Compliant RPT



COMPLIANT RPT'S

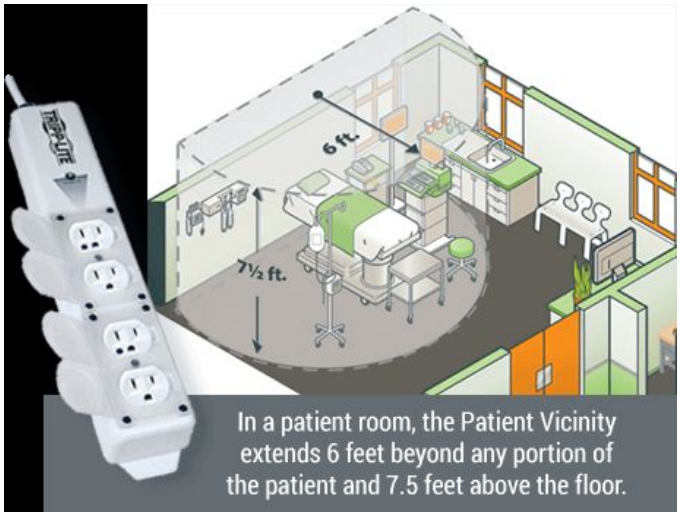


Mobile Applications - Patient Rooms

Do you need additional outlets mounted on mobile carts, IV poles and other movable equipment?

If so, your power strip must meet **UL 1363A**, the standard required for power strips mounted as components of movable equipment assemblies.

COMPLIANT RPT'S



Patient Care Rooms

Do you need additional outlets located within a 6 foot radius from a patient?

If so, your power strip must meet UL 60601-1, the standard for electrical safety required for all devices that potentially come in contact with patients and staff.

COMPLIANT RPT'S



Administrative Areas

Do you use surge protectors throughout your administrative and business offices?

Are they ever moved from one room to another? If so, your surge protector must meet **UL 1363A** (per CHS requirement) and have hospital-grade outlets. This ensures safety when strips are transferred between locations.

FURTHER CLARIFICATION FROM TJC

Where can relocatable power taps (RPTs) be used and what are the UL requirements?

The use of a Relocatable Power Tap (RPT) or power strip is addressed by standard EC.02.05.01 EP 23. These devices may also be called by other names such as power strips, multiple outlet connection and multiple outlet strip. These devices are not to be confused or considered electrical extension cords.

Per Condition of Participation (CoP) §482.41(d)(2):

- **RPT in the patient care vicinity are only used on movable patient care medical equipment and are permanently attached to the equipment and meet UL 1363A or UL 60601-1.**
- **RPT in the patient care vicinity may not be used for non-patient care electrical equipment, such as personal electronics, except in long-term care resident rooms that do not use patient care medical equipment.**
- **assembled by qualified personnel and meet the conditions of NFPA 99: 10.2.3.6.**
- **Power strips for non-patient care electrical equipment in the patient care rooms, but outside of the patient care vicinity, must meet ~~UL 1363~~. *(To prevent non patient care RPTs (UL 1363) form inadvertently migrating to patient care areas, CHS is only allowing the use of UL 1363A or UL 60601-1 RPTs within any hospital.)***
- **In non-patient care rooms, power strips meet other UL standards.**

IN ADDITION TO CMS REQUIREMENTS, THE FOLLOWING NFPA CODE REQUIREMENTS ALSO APPLY:

- **The RPT is permanently attached to the equipment assembly.**
- **The sum of the ampacity of all appliances connected to the RPT does not exceed 75% of the ampacity of the flexible cord supplying the RPT.**
- **The ampacity of the flexible cord is in accordance with NFPA 70, National Electrical Code.**
- **The electrical and mechanical integrity of the assembly is regularly verified and documented.**

For full text, refer to NFPA 99-2012: 10.2.3.6; 10.2.4; NFPA 70-2011: 400-8; 590.3(D); Tentative Interim Amendment (TIA) 12-5)

https://www.jointcommission.org/standards/standard-faqs/hospital-and-hospital-clinics/environment-of-care-ec/000001260/

Power Strip Inventory									
	Inventory ID Number	**Location**	**Patient Care Vicinity** (Y/N)	**Type**	**# of Outlets**	**# of Outlets In Use**	**UL Listing**	**Date of Commissioning**	**Annual Inspection & Testing** (Pass/Fail/NA)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

WHERE TO PURCHASE:

Tripp-Lite is the recommended brand and can be purchased though Grainger. These can ordered in a variety of configurations (cord lengths, # of outlets). Below are 2 example configurations and part numbers.

Sample configuration

- ✔ UL 1363A: Grainger item # 5dLJ3 (4 plug 15' cord)
- ✔ UL 60601-1 Grainger item # 54VH64 (4 plug 15' cord)

