Patient Care Grounded Power Distribution
Retentive Force Maintenance Log
(CSA Z32-15)

SAMPLE DATA
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generic logo company

Facility Name	Rampart General Hospital
Address	127 Main Street
City, Province	Mayberry, ON

Tester Name	James Smith
Tester Company	Generic Testing Inc.
Meter Manufacturer	Chatillon
Meter Model Number	DFX2-010-NIST
Meter Serial Number	16788240011324
Meter Calibration Date	2015-12-09

			Pin Retention (N)						
			5%	5%	5%	5%			
		Receptacle Identification	1.1	2.2	2.2	13.0	Retention	Physical	
Date	Circuit	Room/Location	G	N	L	LN	Result	Condition	Recommendation
2016-03-16	2B-32-A	204B West wall by door	4.80	7.10	7.70	14.80	Passed	Good	None
2016-03-16	2B-32-A	204B Left nightstand	3.50	4.40	3.40	7.80	Failed	Good	Replace
2016-03-16	2B-32-B	204B East wall by cabinet	5.20	6.11	6.50	13.70	Passed	Good	None
2016-03-16	2B-32-B	204B Right of bed	1.15	3.70	4.10	13.20	Marginal	Good	Replace
2016-03-16	2B-32-C	204B Beside cabinet	1.70	2.80	10.30	13.67	Passed	Bad	Replace

Marginal plugs (based on above listed percentages) are highlighted.

Failed plugs (not meeting minimum requirements) are highlighted and triggered for replacement.

Results determined automatically based on minimum requirements and tolerance.

Generated recommendation based on retention results and physical condition.

Note: Receptacle retentive force: the ground pin retentive force shall be not less than 1.1 N (4.0 ounce-force). The retentive force of each plug blade shall be not less than 2.2 N (8.0 ounce-force). The combined retentive force of each plug's blades shall be not less than 13 N (47.0 ounce-force). See Clause 5.6.6.2 of CSA Z32.

Compliance with these requirements shall be verified using a receptacle retention tester designed for the purpose

a) on completion of new construction, major renovations, or receptacle replacement;
b) in basic care areas at least every two years after initial verification; and
b) in intermediate and critical care areas at least every year after initial verification.

See Clause 5.6.6.1 of CSA Z32.

Usage: Percentages listed below "Pin Retention (N)" indicate the amount required to exceed the minimums specified in the CSA Z32 standard. For example, 5% for a 1.1 N (minimum specification) ground pin means that measurements between the required minimum of 1.1 N and 1.1+5% N (or 1.155 N) are considered "Marginal" and replacement is recommended. Measurements below the CSA Z32 minimums signify a failure and replacement is recommended.

Under column headings G (ground), N (neutral), L (line), and LN (line and neutral), enter the measured force without units (numeric values only). For example, if the ground pin retention measures 3.6 N, enter 3.6.

The state of receptacles may also be used to trigger a recommended replacement. Under the column "Physical Condition", enter either a 0 or 1. A 0 entry indicates a bad receptacle (cracked, or chipped for example), and a 1 indicates a good receptacle. The "Recommendation" column will display either "None" or "Replace" based on results entered.

For more information, visit: www.allerasystems.com

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