



**Verizon NEBS™ Compliance: Test
Requirements for Side Mount Brackets for FDH**
Verizon Technical Purchasing Requirements
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1.0 PURPOSE

The purpose of this Verizon Technical Purchasing Requirement document is to provide Test Requirements for Side Mount Brackets for FDH.

2.0 SCOPE

FOC Testing

3.0 REFERENCES

ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
GR-3125-CORE	Generic Requirements for Outdoor Fiber Distribution Hubs (FDH)
VZ.TPR.9417	Generic Requirements for Outdoor Fiber Distribution Hubs

4.0 ACRONYMS

FDH	Fiber Distribution Hub
FOC	Fiber Optic Components
ITL	Independent Testing Laboratory
SIT	System Integration & Testing

5.0 TEST REQUIREMENTS FOR SIDE MOUNT BRACKETS FOR FDH

This TPR is issued to provide Test Requirements for Side Mount Brackets for Pole Mounted FDH

Test	Test Description	Criteria Section from 3125	Configuration
1	Wind Resistance*	5.4.8	Side Mounted
	R5-38 Unbalanced Forces (New GR) Front to back and Back to Front 100 lb applied to outside edge of FDH		



Test	Test Description	Criteria Section from 3125	Configuration
2	Corrosion Resistance (Salt Spray)	5.4.9	All Hardware
	R5-39 ASTM B-117		
3	Pole Mounted FDH*	5.4.18	
	R5-47 Safety Strap Attachment (New GR) Two test modes: Falls straight down Falls to the side		Beneath Configuration
4	Earthquake (Cabinet Equipped and Functional)	5.5.1	Side Mounted
	All 3-axis		
	R5-52 No Structural or Mechanical Damage		
	R5-53 Deflection Relative to the Pole		
	R5-54 Resonant Frequency		
	R5-56 Functionality Before and After		
	O5-57 functionality During Testing		
5	Environmental Vibration (Cabinet Equipped and Functional)	5.5.2	Side Mounted
	All 3-axis		
	R5-62 No structural or mechanical damage		
	R5-63 Functionality During		

1. Test one verifies that the mounting hardware and attachment points will tolerate the torsional twisting caused by wind blowing on the cabinet with the cabinet in the side mounted configuration.
2. All hardware will be subjected to the corrosion resistance test, side mounted and beneath configuration.
3. The Ladder attachment system will be subjected to the safety strap test, two possible scenarios, to the side and straight down.
4. Test 4 will test the cabinet mounting brackets and attachment points for stresses related to seismic motion. Cabinet will be functional and monitored during application of the seismic motion.
5. The environmental vibration test will be conducted to determine if the design of the side mounted brackets results in cabinet resonances that may interfere with cabinet functionality.







