



**Verizon NEBS™ Compliance: Test  
Requirements for Fiber Closure Brackets**  
Verizon Technical Purchasing Requirements  
VZ.TPR.9438  
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**CHANGE CONTROL RECORD:**

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## 1.0 PURPOSE

The purpose of this Verizon Technical Purchasing Requirement document is to provide Test Requirements for new, modified or un-tested optical fiber closure mounting brackets.

## 2.0 SCOPE

FOC Testing

## 3.0 REFERENCES

<b>GR-771-CORE, Issue 1, 1994</b>	Generic Requirements for Fiber Optic Splice Closures
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## 4.0 ACRONYMS

<b>FOC</b>	Fiber Optic Components
<b>ITL</b>	Independent Testing Laboratory
<b>SIT</b>	System Integration & Testing
<b>TPR</b>	Technical Purchasing Requirement

## 5.0 TEST REQUIREMENTS FOR CLOSURE MOUNTING BRACKETS

This TPR is issued to provide test requirements for New, Modified or Un-tested Closure Mounting Bracket.



Test Name and GR Reference	Closure Mounting Method					
	Handhole	Pedestal	Aerial Pole	Outdoor Wall	Indoor Wall	Aerial Strand
Group A: Mechanical Performance Sequence: GR-771 - Section 6.3						
- Cable Clamping (6.3.1)	NA	NA	NA	NA	NA	NA
- Sheath Retention (6.3.2)	NA	NA	NA	NA	NA	NA
- Cable Flexing (6.3.3)	NA	NA	NA	NA	NA	NA
- Cable Torsion (6.3.4)	NA	NA	NA	NA	NA	NA
- Vertical Drop (6.3.5)	B	B	B	B	B	B
- Compression (6.3.6)	NA	NA	NA	NA	NA	NA
- Impact (6.3.7)	B + C	B + C	B + C	B + C	B + C	B + C
- Water Resistance (6.4.6)						
• Immersion	NA	NA	NA	NA	NA	NA
• Wind Driven Rain	NA	NA	NA	NA	NA	NA
• Water Spray	NA	NA	NA	NA	NA	NA
- Central Member Protrusion (6.3.8)	NA	NA	NA	NA	NA	NA
Group B: Environmental Performance Sequence: GR-771 - Section 6.4						
- Thermal Aging (6.4.1)	NA	NA	NA	NA	NA	NA
- Assembly (6.4.2)	B + C	B + C	B + C	B + C	B + C	B + C
- Temp./Humidity Cycling (6.4.3)	NA	NA	NA	NA	NA	NA
- Freeze/Thaw (6.4.4)	B + C	NA	NA	NA	NA	NA
- Freezing Rain (GR-3122 5.4)	NA	NA	B + C	B + C	NA	B + C
- Weather Tightness (Dust) (6.4.5)	NA	NA	NA	NA	NA	NA
- Water Resistance (6.4.6)						
• Immersion (A)	NA	NA	NA	NA	NA	NA
• Wind Driven Rain (B)	NA	NA	NA	NA	NA	NA
• Water Spray (C)	NA	NA	NA	NA	NA	NA
- Chemical Immersion (6.4.8.2 A)	B + C	B + C	B + C	B + C	B + C	B + C
- Compression (6.3.6)	NA	NA	NA	NA	NA	NA
- Impact (6.3.7)	B + C	B + C	B + C	B + C	B + C	B + C
- Water Resistance (6.4.6)						
• Immersion	NA	NA	NA	NA	NA	NA
• Wind Driven Rain	NA	NA	NA	NA	NA	NA
• Water Spray	NA	NA	NA	NA	NA	NA



Test Name and GR Reference	Closure Mounting Method					
	Handhole	Pedestal	Aerial Pole	Outdoor Wall	Indoor Wall	Aerial Strand
Group C: Chemical Resistance Performance (Dog Bones) GR-771 - Section 6.4.8						
• <b>Material Degradation (6.4.8.1)</b>	B*	B*	B*	B*	B*	B*
• <b>Chemical Immersion (6.4.8.2 B)</b>	B*	B*	B*	B*	B*	B*
Group D: Environmental Performance GR-771 - Section 6.4						
- <b>UV Resistance (6.4.9)</b>	B*	B*	B*	B*	NA	B*
Group E: Environmental Performance GR-771 - Section 6.4						
- <b>Fungus Resistance (6.4.10)</b>	B*	B*	B*	B*	B*	B*
Group F: Electrical Performance Sequence GR-771 - Section 6.2						
- <b>Bond Clamp Retention (6.2.1)</b>	B + C *1	B + C *1	B + C *1	B + C *1	B + C *1	B + C *1
- <b>Corrosion Resistance (6.4.7)</b>						
• <b>Acidified Saltwater (A) or</b>	B + C *2	NA	NA	NA	NA	NA
• <b>Salt Fog Exposure (B)</b>	NA	B + C *2	B + C *2	B + C *2	NA	B + C *2
- <b>AC Fault (1000 A, 20 s) (6.2.2)</b>	B + C *1	B + C *1	B + C *1	B + C *1	B + C *1	B + C *1
Group G: Conditional Requirements Verification GR-771 - Section 5.5						
- <b>Bullet Resistance (5.5.1)</b>	NA	NA	B + C	B + C	NA	B + C
- <b>Cable Core Blocking Ability (5.5.2)</b>	NA	NA	NA	NA	NA	NA
- <b>Rodent Resistance (RH: 89) (5.5.3)</b>	NA	NA	B	B	NA	B
- <b>Steam Resistance (5.5.4)</b>	NA	NA	NA	NA	NA	NA
- <b>Fire Resistance (5.5.5)</b>	NA	NA	NA	B + C	B + C	NA
- <b>Environmental Vibration Resistance (GR-3125 Section 5.5.1.4)</b>	B + C	B + C	B + C	B + C	B + C	B + C
Group H: Fiber Accessibility; GR-449 - Sections 5.4.2 to 5.4.5						
- <b>Handling Tests</b>	B + C *3	B + C *3	B + C *3	B + C *3	B + C *3	B + C *3
Group J: Mold Stress Relief Distortion; GR-49 - Section 5.1						
- <b>80°C for 14 days</b>	B*	B*	B*	B*	B*	B*
Group K: NRTL Certification Requirement						
National Test Laboratory Listing	NA	NA	NA	B + C	B + C	NA

- B = Bracket Only
- B+C = Bracket with Closure attached as normally used in field
- \* = Not required for metal bracket
- \*1 = Testing required if bracket is part of provided bonding clamp



- \*2 = Testing required if bracket is metal or different metal mounting hardware used. No testing required if bracket is plastic and material is same as the tested closure
- \*3 = Required only if bracket changes closure accessibility