 <p>Sri Lanka Telecom One Country. One Voice.</p>	<p><b>Specification for OSP Material Connectors (RJ-9/RJ-11/RJ-45)</b></p> <p><b>OQMS SGD 047</b></p>	<p>Issue No. : 01</p> <p>Date of Issue : 4-Apr – 2017</p> <p>Revision No. : Nil</p> <p>Date of Revision : Nil</p> <p>Page : 1 of 2</p>
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## 1 Scope

Connection of terminal equipment to the telephone network shall be made through a connector conforming to this section or by direct attachment to wiring installed by the provider(s) of wire line telecommunications including, but not limited to, splicing, bridging, twisting, and soldering.

The connector shall be complied with the TIA 968-A Standard.

## 2 References

TIA 968- A Standard

## 3 Materials and Construction

All mechanical and dimensional parameters shall be complied with the TIA 968 A Standard. The supplier shall submit a certificate that it is complied with the said standard.

For the purposes of this section, hard gold and contact performance equivalent to gold shall be determined in accordance with the standards detailed in TIA TSB 31-B

Material – Housing

Polycarbonate (PC) UL94V-0 or 94V-2

Gold Blade: phosphorous bronze with hard gold plating, nickel under plated with selective gold plating in contact area.

Electrical test : 2.0 Amps


Dielectric withstanding voltage : 1000Vrms/60Hz

Insulation resistance : 500M  $\Omega$  Min

Contact Resistance : 20m $\Omega$  Max

## 4 Characteristics and Requirements

The plug/jack contact interface shall be hard gold to hard gold and shall have a minimum gold thickness of 1.2700  $\mu\text{m}$  (0.050 mil) on each side of the interface. The minimum contact force should be 0.98 N (100 g). Any non-gold contact material shall be compatible with gold and provide equivalent contact performance. A smooth, burr-free surface shall exist at the interface.

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The connector shall be gel-filled or dry as required by the SLT.

## 5 Methods of Test

The supplier shall submit a certificate that the connectors are complied with the TIA 968-A Standard.

