

Generic Requirements For Assuring Corrosion Resistance Of Telecommunication Equipment In the Outside Plant

Contents

1. Introduction.....	1-1
1.1 Purpose and Scope	1-1
1.2 Conventions for Generic Criteria	1-1
1.3 Reasons for Issue.....	1-2
2. Outside Plant Environment	2-1
2.1 Above-ground Plant	2-1
2.2 Underground Plant	2-1
2.3 Buried Plant.....	2-2
2.4 Underwater Plant.....	2-2
3. Equipment Preparation for Corrosion Testing.....	3-1
3.1 Configuration of Equipment During Tests.....	3-1
3.2 Surfaces with Organic Coatings.....	3-1
3.3 Pretreatment of Electrical Connectors	3-2
3.4 Normal Preconditioning	3-2
3.5 Preconditioning for Severe Climatic Conditions	3-3
3.6 Preconditioning for Flooded Conditions.....	3-4
4. Tests for Assuring Resistance to Aqueous Corrosion.....	4-1
4.1 Temperature Cycling with Humidity	4-1
4.2 Salt Fog	4-1
5. Tests for Assuring Resistance to Corrosion by Airborne Contaminants	5-1
5.1 Mixed Flowing Gas Test.....	5-2
5.2 Hydrogen Sulfide Exposure	5-3
5.3 Sulfur Dioxide Exposure.....	5-3
6. Tests for Assuring Resistance to Stress Corrosion Cracking.....	6-1
6.1 Stress Corrosion Testing of Copper-Zinc Alloys.....	6-1
6.2 Stress Corrosion Testing of Stainless Steel Alloys	6-2
6.3 Stress Corrosion Testing of Aluminum Alloys.....	6-3
References	References-1