
Test Plan of Critical Parameters for High Density Fiber Distributing Frames

Contents

[Telcordia SR-4588-Documentation Information](#)

1. Introduction.....	1-1
1.1 Overview.....	1-1
1.2 Purpose & Scope.....	1-1
1.3 Organization of Document.....	1-2
2. Test Plan Requirements.....	2-1
2.1 Samples.....	2-1
2.2 Critical Parameters.....	2-2
2.3 Report.....	2-2
3. Test Plan.....	3-1
3.1 Product Testers.....	3-1
3.2 Transient Connector Loss, Reflectance and Bit Error Test.....	3-1
3.2.1 Identification of Connector Assemblies Installed in a FDF Shelf.....	3-1
3.2.2 Connector Assemblies to be Monitored During Testing.....	3-2
3.2.3 Placement Of Shelves In The FDF.....	3-4
3.2.4 Disconnect and Reconnect Test Procedure.....	3-4
3.2.5 Test Criteria.....	3-4
3.2.5.1 Optical Loss Criteria.....	3-4
3.2.5.2 Reflectance Criteria.....	3-5
3.2.5.3 Bit Error Criteria.....	3-5
3.3 Correct Connector Location Test.....	3-5
3.4 Equipment Cabling Capacity.....	3-5
3.5 FDF Jumper Capacity Issues.....	3-6
3.5.1 Vertical Trough Capacity.....	3-6
3.5.2 Horizontal Trough Capacity.....	3-7
3.5.3 Maximum Frame Capacity.....	3-7
3.6 Preferential Assignment Method.....	3-7
3.7 Compatibility with Existing FDFs.....	3-8
3.7.1 Depth of FDF.....	3-8
3.7.2 Preferential Assignment Method.....	3-8
3.8 Transient Optical Loss, Reflectance and Bit Error Test During Jumper Handling.....	3-8
3.8.1 Test Criteria.....	3-9
3.8.1.1 Optical Loss Criteria.....	3-9
3.8.1.2 Reflectance Criteria.....	3-9
3.8.1.3 Bit Error Criteria.....	3-9
3.9 Location of Dual Jumper Bifurcation.....	3-10

References References-1
Bibliography Bibliography-1

List of Figures

Figure 3-1. Bifurcation Length Measurement for a Typical Dual Jumper.....3-10

List of Tables

Table 3-1.	Schematic of Connector Layout in a 12x6 Shelf	3-2
Table 3-2.	Schematic of Connector Layout in a 12x12 Shelf	3-3