



**Verizon NEBS™ Compliance: Factory Audit
Requirements**
Verizon Technical Purchasing Requirements
VZ.TPR.9445
Issue 3, August 2016

CHANGE CONTROL RECORD:

Version	Date	Action*	Reason for Revision
1	8/6/2007	New	New document.
2	03/05/2008	Add	Included reference for the punch list to be used during audit
3	08/11/2016	Add	Include Fiber Optic Cable and relevant references
* New, Add, Delete, Change, Reissue			

PREPARED BY:

Name, Title, Organization	
David Z. Chen Verizon FOC Program Manager Verizon Wireline Network Operations & Engineering 1201 E Arapaho Rd Richardson, Texas 75081 Phone: (214) 682-2175 E-mail: david.chen@verizon.com	8/15/2016

APPROVED BY:

Name, Title, Organization	
Howard Davis Sr. Mgr-Technology Verizon Wireline Network Operations & Engineering 320 St. Paul Place Baltimore, MD 21202 Phone: (410) 736-5906 E-mail: howard.davis@verizon.com	8/15/2016

Table of Contents

1.0 PURPOSE 5
2.0 SCOPE 5
3.0 REFERENCES..... 5
4.0 ACRONYMS..... 5
5.0 GENERAL GUIDELINES..... 6

1.0 PURPOSE

The purpose of this Verizon Technical Purchasing Requirement document is to reinforce the need of completing Factory audit requirements in a timely manner.

2.0 SCOPE

FOC Factory Audits and Reporting

3.0 REFERENCES

PFOC Memo #45	Factory Audit Requirements
GR-326-CORE	Generic Requirements for Singlemode Optical Connectors and Jumper Assemblies
GR-910-CORE	Generic Requirements for Optical Attenuators
GR-1081-CORE	Generic Requirements for Field-Mountable Optical Fiber Connectors
GR-1221-CORE	Generic Reliability Assurance Requirements for Passive Optical Components
GR-1435-CORE	Generic Requirements for Multi-Fiber Optical Connectors
GR-3120-CORE	Generic Requirements for Hardened Fiber Optic Connectors (HFOCs)
GR-3152-CORE	Generic Requirements for Hardened Multi-Fiber Optical Connectors
VZ.TPR.9455	Declaration of Readiness by FOC ITL for Factory Audit
VZ.TPR.9453	Quality Audit Process
VZ.TPR.9404	Factory Move Test Requirements

4.0 ACRONYMS

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

5.0 **GENERAL GUIDELINES**

This TPR is issued to provide reinforce the need of completing Factory audit requirements in a timely manner.

Description:

The following GR's require factory audits to be conducted as part of the test program:

- GR-326-CORE, Generic Requirements for Optical Connectors and Jumper Assemblies
- GR-910-CORE, Generic Requirements for Fiber Optic Attenuators
- GR-1221-CORE, Generic Reliability Assurance Requirements for Passive Optical Components
- GR-1209-CORE, Generic Requirements for Passive Optical Components
- GR-20-CORE, Generic Requirements for Optical Fiber and Optical Fiber Cable
- GR-409-CORE, Generic Requirements for Indoor Fiber Optic Cable

The following GR's are based on GR-326 and also require factory audits:

- GR-1435-CORE, Generic Requirements for Multi-Fiber Optical Connectors
- GR-1081-CORE, Generic Requirements for Field-Mountable Optical Fiber Connectors
- GR-3152-CORE, Generic Requirements for Hardened Multi-Fiber Optical Connectors
- GR-3120-CORE, Generic Requirements for Hardened Fiber Optic Connectors

Other GRs require the manufacturing facility to be TL9000 registered and provide an option to the buyer (Verizon) to conduct a factory audit, if required.

Guidelines: Effective Immediately

- Verizon requires factory audits for the 10 GRs listed above and reserves the right to conduct factory audits for any products under Verizon contract.
- A factory audit must be completed within 2 months of completion of testing.
- The final test report submitted to Verizon must include the factory audit results.
- One person from Verizon's FOC team will be included on the audit team for products manufactured outside USA.
- It is the responsibility of the ITLs to schedule these factory audits.
- The checklist from VZ.TPR.9404 "Factory Move Test Requirements" must be used during these audits.
- All requirements from VZ.TPR.9404, including GR-1221, GR-326, and Quality must be evaluated.