

Ref:	NR/L3/TEL/30181/004
Issue:	1
Date:	05 March 2016
Compliance date:	04 June 2016

Level 3

Work instruction

FTNx infinera maintenance

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1 Scope

This module specifies the requirements for the maintenance of FTNx infinera equipment and mandates the maintenance requirements. .

2 Procedure

Use the following tools and test equipment when conducting maintenance and inspection of FTNx infinera:

- a) air filter (PON X-AIR FILTER-X10);
- b) #2 Phillips screwdriver;
- c) ESD strap;
- d) 2 Phillips insulated VDE screwdriver; and
- e) air filter (PON X-AIR FILTER-PS-DC).

3 Requirements

3.1

The maintainer shall take precautions so that no interruption or interference is caused to traffic on the MPLS FTNx infinera network whilst undertaking any maintenance work detailed in this standard.

The maintainer shall contact the Network Management Centre (NMC) before commencing maintenance.

NOTE: The MPLS FTNx infinera network can generate laser radiation; put safety precautions in place when working on the network in accordance with life saving rules.

3.2

The maintainer shall follow electrostatic handling procedures when working on circuit cards and components.

3.3

All defects identified during maintenance shall be reported to fault control for entry into the fault recording database for further investigation.

3.4

All actions taken to correct deficiencies identified during maintenance shall be recorded on the maintenance work return documentation.

3.5

The maintainer shall conduct maintenance and inspection activities as specified in:

Appendix A – General Maintenance and Inspection of FTNx infinera Equipment

Appendix B – Maintenance of FTNx infinera air filter and replacement on an OTC

Appendix C – Maintenance of FTNx infinera air filter and replacement on an XTC

Appendix D – Maintenance of FTNx infinera air filter and replacement on an XTC PEM

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Appendix A

General maintenance and inspection of FTNx infinera equipment

A.1 Service frequency

General maintenance and inspection of FTNx infinera equipment shall be conducted at the service frequencies shown in table A.1.

Service	Frequency
A	6 Monthly

Table A.1 – Service frequencies

NOTE 1: When reinstalling the OTC cover, do not pinch or crush any fibres between the chassis and cover.

A.2 Service A – general inspection and clean

A1.	Check that all cables are correctly labelled showing “to” and “from” as shown in figure A.1. Check that they are correctly connected. Incorrect or missing labels shall be corrected where possible or reported to fault control for correction at a later date.
A2.	Check all fibres are correctly installed, with no excess slack, or short runs that could cause the fibre to bend or obstruct any of the other slots.



Figure A.1 – To and from labelling