

# **Sample** **Inspection** *through* **Image Analyzing**

**Document Ref: NCFS GIA 002-Version 1**

**Date of Issue: 15<sup>th</sup> August 2019**

---

**NEW CONNECTIONS & FIELD SERVICE PROJECTS**  
**SRI LANKA TELECOM PLC**



## You are the best

---

**We know** that you are making maximum effort to provide the new connection to our valued customer as best as you can...

**We believe** that you are the most prominent and loyal person who can perform well to achieve our expectations as the leading telecom service provider of this country...



**We observe** your valued performance through your eye as provided by the images taken by you...It is indeed a replica of your talent, courtesy and loyalty...

**We do not need** a professional photographer for this task...Its you...You are the only one who exactly know the good work you did...You can take the right picture in correct angle which describes the gravity of your best work with maximum details...Hence **"You are the best"**....

## Legend of Images

<ul style="list-style-type: none"> <li>* Pole Image 1</li> <li>* Pole Image 2</li> <li>* Drop wire1</li> <li>* Drop wire2</li> <li>* Drop wire 3 (If 1 joint)</li> <li>* Drop wire 4 (If 1 joint)</li> <li>* FDP Closed</li> <li>* C Hook</li> <li>* Fiber Rosette Open</li> <li>* Fiber Rosette Closed</li> <li>* Power Measurement</li> <li>* ONT</li> <li>* Wi-Fi Speed</li> </ul>	FTTH New Connections	<ul style="list-style-type: none"> <li>* Pole Image 1</li> <li>* Pole Image 2</li> <li>* Drop wire1</li> <li>* Drop wire2</li> <li>* Drop wire 3 (If 1 joint)</li> <li>* Drop wire 4 (If 1 joint)</li> <li>* DP Closed</li> <li>* C Hook</li> <li>* Discharger Open</li> <li>* Discharger Closed</li> <li>* Rosette Closed</li> <li>* Earth Rod</li> </ul>	FPSTN New Connections	<ul style="list-style-type: none"> <li>* PEO TV Diagnostic Screen Image</li> <li>* STB Rear side</li> <li>* Discharger Open</li> <li>* Earth Rod</li> </ul>	PEO TV New Connections
---	----------------------	--	-----------------------	---	------------------------

## Summary Notes

Service Type	No of images	No of Images if a joint is applied
FTTH	11	13
PSTN	10	12
PEO TV	4	4

- Common images for both FTTH and PSTN new connections are Pole images, Drop wire images, C hook, DP Closed (Copper/Fiber).
- Number of drop wire images will be increased for drop wire lengths more than 500m.
- Following pages show specimen images of good practice and the quality check points observed by SLT QA team.

## Image Specimens – Poles – FTTH and PSTN New Connections

Pole Image 1-Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
Pole is not buried sufficiently	Major
Pole basement not compressed properly	Major
Pole is slanted	Major



Pole Image 2-Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
Top bolt not installed	Major
DW coiled	Major
L hook not installed	Major
DW drawn through top bolt	Major
Retainer not installed	Major
DW touches with CEB pole	Major
DW touches with CEB wire	Critical
Insufficient clearance with power lines	Major
Insufficient Route clearance	Major
DW drawn through trees	Major
DW drawn through CEB poles	Critical
DW touch with objects without PVC protection	Major
DW joint in <500m	Major

## Image Specimens – Drop wire – FTTH and PSTN New Connections

Drop wire - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A



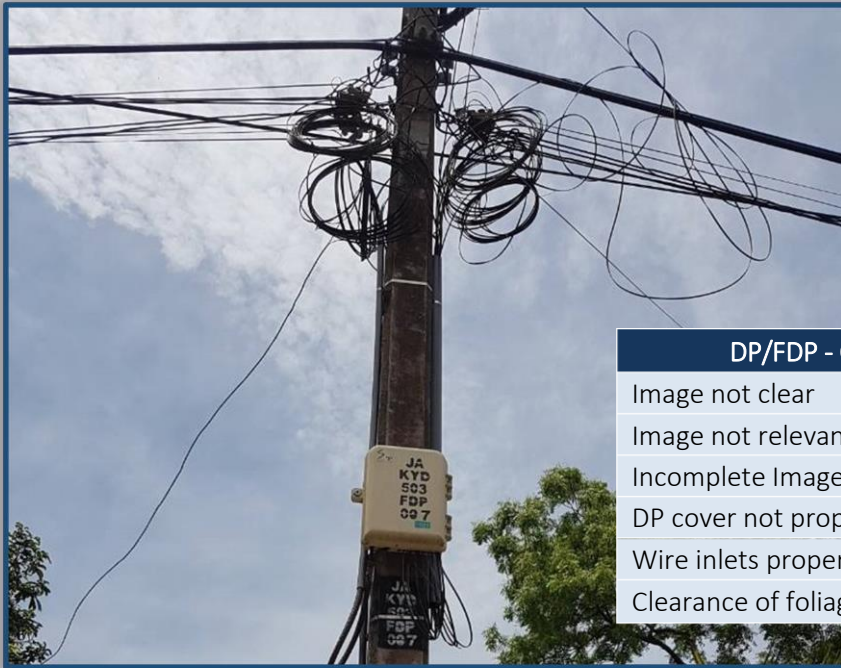
## Image Specimens – C Hook – FTTH and PSTN New Connections

C Hook - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
No C- hook used	Major
C-hook not properly fixed	Major
C-hook fixed at CEB L-Iron	Critical
Guard wire not terminated at C-hook	Major
Drop wire coiled	Major
No PVC protection used for DW (FTTH only)	Major





## Specimens – DP/FDP Closed – FTTH and PSTN New Connections



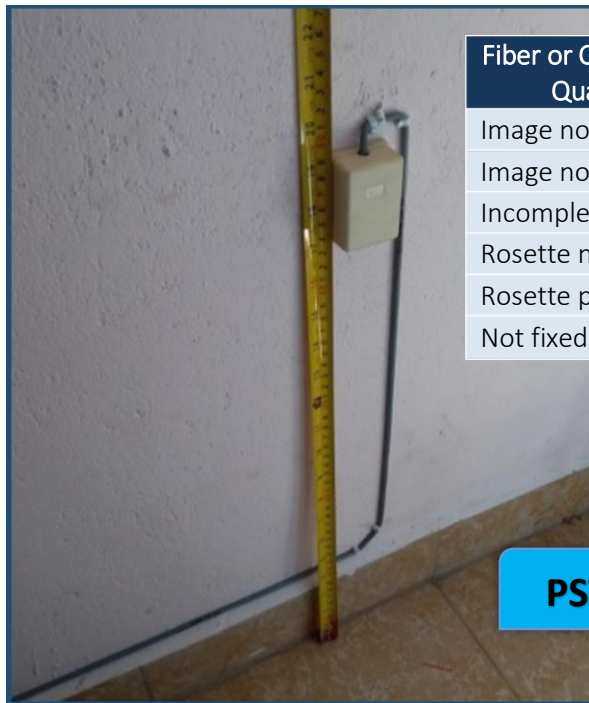
DP/FDP - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
DP cover not properly closed	Major
Wire inlets properly sealed	Major
Clearance of foliage	Major

## Specimens – Rosette Open – FTTH New Connections only

Fiber Rosette Open -Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
Improper wiring	Minor
Not properly fixed	Minor



## Specimens – Rosette Closed – FTTH and PSTN New Connections



Fiber or Copper Rosette Closed - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
Rosette not placed vertically	Minor
Rosette placed upside down	Minor
Not fixed at standard height	Minor

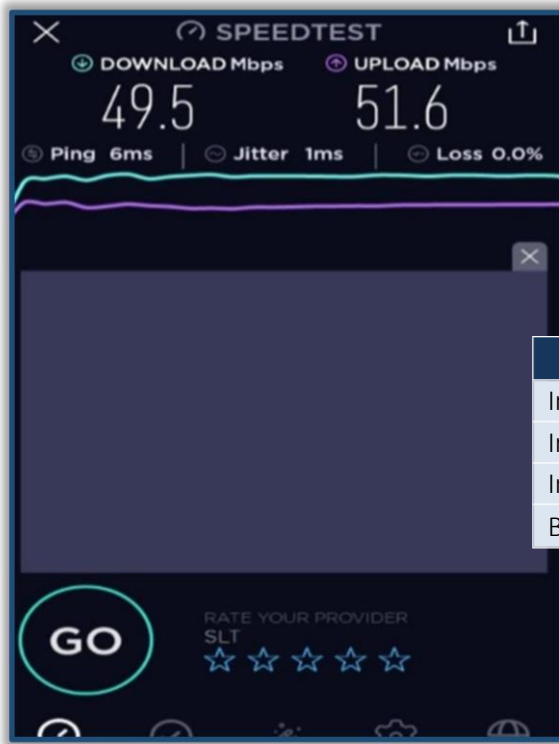


## Specimens – Power Measurement – FTTH New Connections only

Power Measurement - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
Not meet the standard power level	Major



## Specimens – Wi-Fi Speed/Strength – FTTH New Connections only



Wi-Fi Speed - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
Below 20Mbps	Major

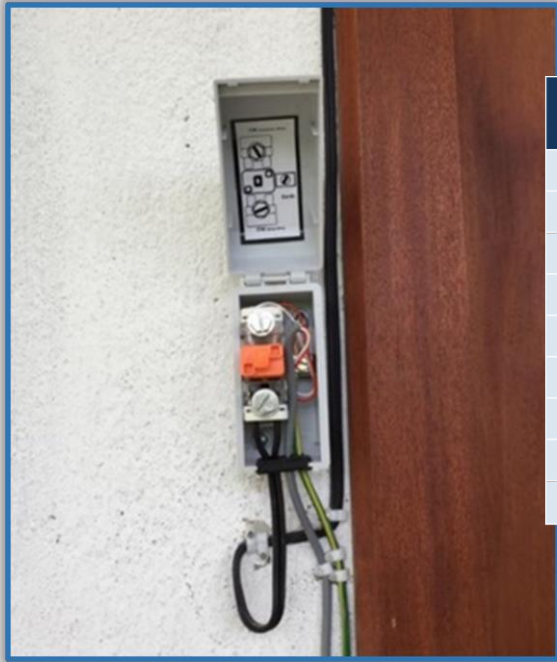
## Specimens – ONT – FTTH New Connections only

ONT-Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
ONT fixed upside down	Major
Fiber Patch code plugged in wrong manner	Major
CAT 5E cable over stripped	Major



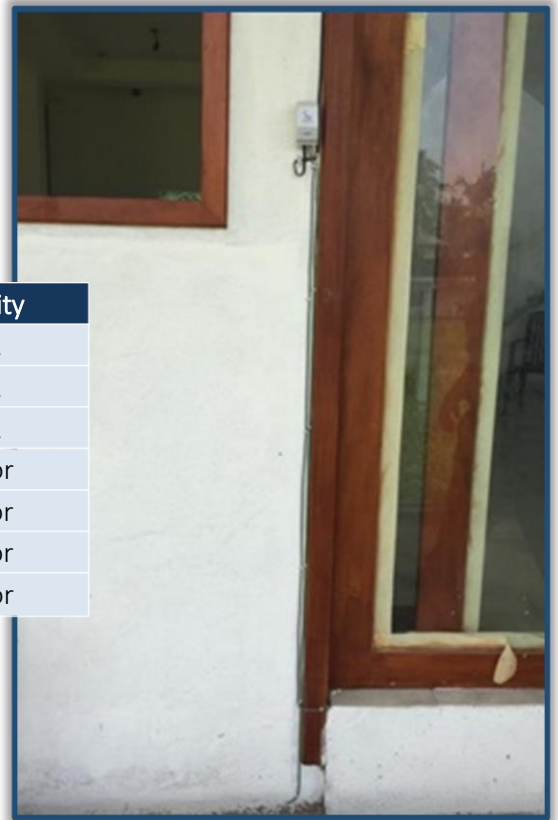


## Specimens – Discharger Open – PSTN and PEO TV New Connections

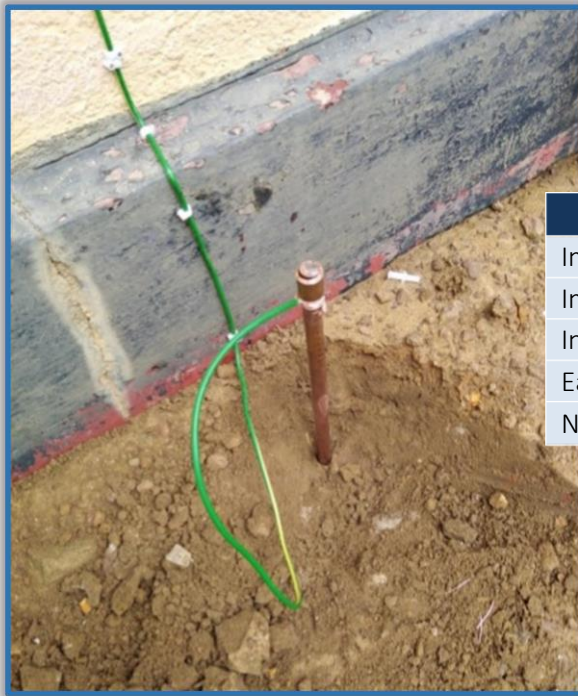


Discharger Open - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
Spirals kept at Discharger (Inside)	Major
Old discharger is not replaced	Major
Not properly fixed	Minor
CAT 5E cables used instead of IW	Major
No Earth wire connection	Major
IW over stripped	Minor

## Specimens – Discharger Closed – PSTN New Connections only



Discharger Closed - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
Not fixed at standard height	Minor
Spirals kept at Discharger (Outside)	Major
Earth wire coupled	Major
Unnecessary cable loop kept at discharger	Minor

**Specimens – Earth rod – PSTN & PEO TV New Connections only**

Earth Rod - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
Earth wire Not properly fixed	Major
No PVC Protection used for paved area	Minor

**Specimens – STB (Rear side) – PEO TV New Connections only**

STB (Rear side) - Quality Check Points	Severity
Image not clear	N/A
Image not relevant	N/A
Incomplete Image details	N/A
CAT 5E cable over stripped	Major

## Specimens – PEO TV Diagnostic Screen – PEO TV New Connections only



Diagnostic Screen - Quality Check Points	Severity
Image not Clear	N/A
Image not relevant	N/A
Incomplete image details	N/A
Incorrect IP address	Minor
IP not issued	Minor

## Ethical use of Dummy Image

### Facts

SLT QA team never intends this image at all.

*However, they accept this subjected to few specific reasons*

### Acceptable

An existing item which you have not installed for the new connection.

### Acceptable

If the particular item is not required for the connection, however system asks to upload according to flow

### Acceptable

Providing a justifiable explanation with details of relevant contact points in the comment box





## CASE STUDY 01 – Rejection of an image of a DP

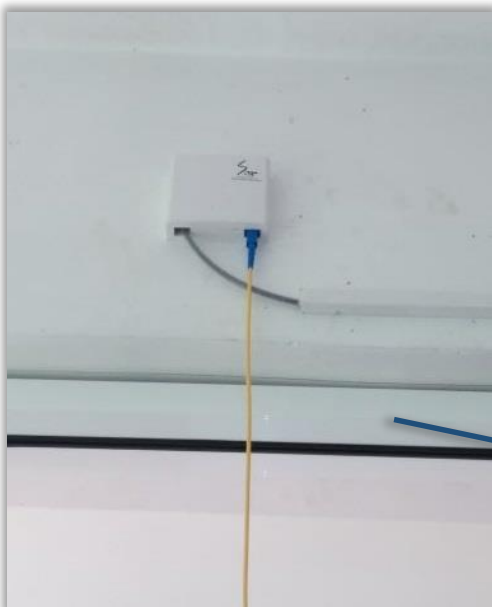


*This image seems well in order and clarity. However it might be rejected with reason “Incomplete image details” as indication of proper closing of FDP is not visible*



*This image also seems well in order and clarity. However it might be rejected with reason “Incomplete image details” as underlying wiring arrangement is not visible*

## CASE STUDY 02 – Rejection of an image of a closed rosette



*This image seems well in order and clarity. However it might be rejected with reason “Not fixed in a standard height” as there is no indication to compare the height with shown details.*

### CASE STUDY 03 – Rejection of an image of a Power measurement



*This image seems ok with its clarity. However it might be rejected with reason “Incomplete image details” as power measurement is not taken through patch code after connecting FAC inside the rosette*

### CASE STUDY 04 – Rejection of an image of ONT

*This image seems ok with its clarity. However it might be rejected with reason “Incomplete image details” as cable connection is not fully visible*





## General Considerations

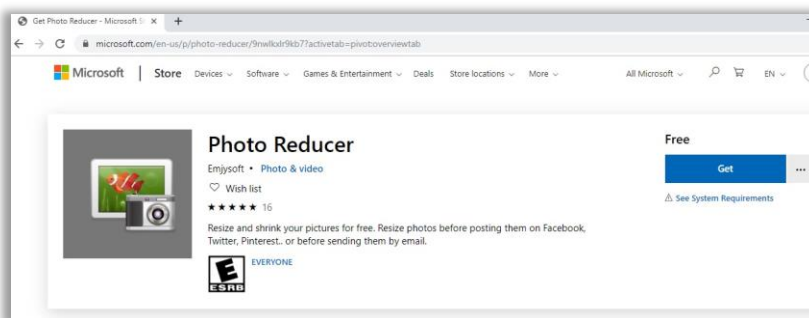
Even though system is allowing uploading of images within the range 1MB to 2MB, it is recommended to maintain image capacity below 1MB in order to avoid system limitations. For this purpose you may use below mentioned free software apps to degrade image capacity.

### Links:

<https://www.fotosizer.com/>



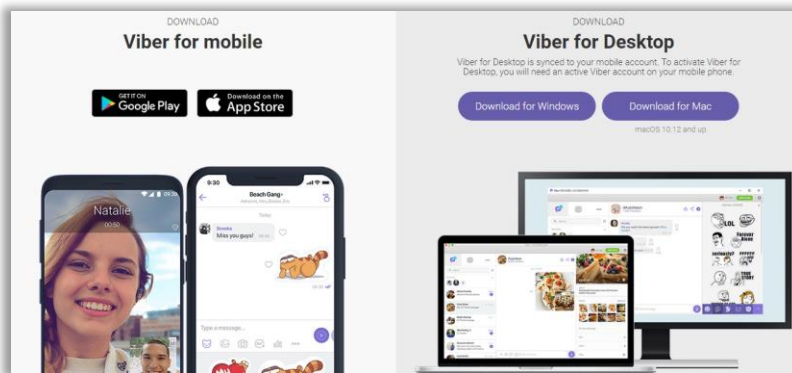
<https://www.microsoft.com/en-us/p/photo-reducer/9nwlkxlr9kb7?activetab=pivot:overviewtab>



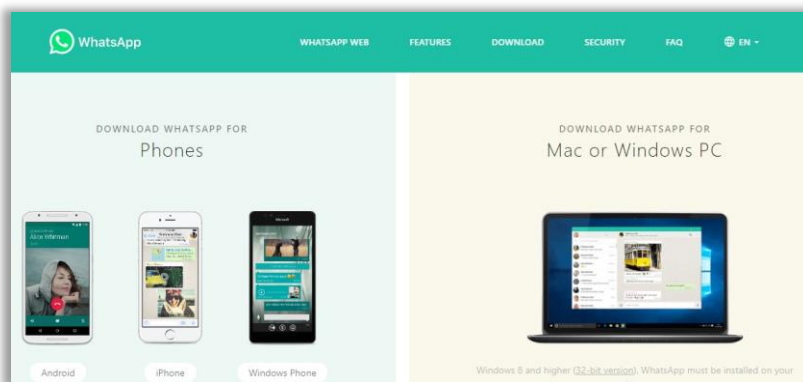
<https://tinypng.com/>



<https://www.viber.com/download/>



<https://www.whatsapp.com/download/>



## Appreciation

- To contract partners who provided sample images.
- To SLT & contract partners who shared their good practice.