

1. SCOPE

This Procedure sets out the general principles governing the fitting and removal of Overhead Line Fault Passage Indicators. CHK Gridsence PTY Ltd. type CHK LT40 Conductor mounted units associated with a field trial programme.

This Hot Stick Procedure can be carried out from an **approved** Insulated Aerial Device (IAD) or from a pole.


2. ISSUE RECORD

This is a controlled maintained document

All copies printed via the Intranet or photocopied will be deemed uncontrolled.

Issue Date	Issue No	Author	Amendment Details
April 04	1	B Jack	Initial PSLWM issue: 4 Page Document

3. ISSUE AUTHORITY

Author	Owner	Issue Authority
Bobby Jack Title (Out. Free) Support & Development Advisor Eng. Support	Alastair Ferguson Title Eng. Support Section Head	Eric Leavy Title Eng.Trans.Ops Manager 

4. REVIEW

This document shall be subject to a review following the field trial. This shall be no later than October 2004.

CONTENTS

1. SCOPE	1
2. ISSUE RECORD.....	1
3. ISSUE AUTHORITY	1
4. REVIEW	1
5. REFERENCE DOCUMENTS	2
6. APPROVED TOOLS.....	2
7. HOT STICK PROCEDURE CARRIED OUT FROM AN I.A.D.	3
7.1 INSTALLATION OF UNITS AS PER TRAINING INSTRUCTION	3
7.2 REMOVAL OF UNITS.....	4
7.3 HOT STICK PROCEDURE CARRIED OUT FROM A POLE	4

5. REFERENCE DOCUMENTS

PSLWM 5.2

6. APPROVED TOOLS

Approved tools and equipment to carry out this procedure are as follows:

- 1 8ft Grip-all Clampstick
- 1 8ft Universal Stick with attached mirror
- 1 8ft Universal Stick Rotary Prong
- 1 8ft Wire holding Stick

(All Short Sticks used to carry out this procedure shall have red marker tape 0.8mtr from top)

7. HOT STICK PROCEDURE CARRIED OUT FROM AN I.A.D.

Before commencing refer to 5.2 section 4.3 of the PSLWM

Carry out a visual inspection both spans either side of work position.

Carry out a mirror inspection of the insulators, binders etc. to ensure their integrity.

Attach the wire holding stick to the centre phase conductor 2 metres from the pole on the side being worked on. This will enable the linesman to maintain the required safety clearance from the conductor while working away from the pole.

Working below the red marker band on the wire holding stick, work can now commence fitting the CHK LT40 to the phase conductors.

7.1 Installation of Units As per training instruction

There is one unit per phase.

Establish phasing at point of installation.

Assign one unit to each phase.

Check and note the unit Identity.

Check the unit is switched on and operating.

The first unit to be installed has the solar panel facing as near to due south as possible.

Locate the unit in the Grip-all clampstick head.

Open the current transformer and spring-loaded fingers.

Apply to the overhead conductors and check security of mounting.

Disengage Grip-all clampstick.

Check the operational indicators to verify the units are switched on and sensing.

Check via transceiver and Toughbook PC that solar charger is operational, battery is charging and unit is measuring load current.

Remove the wire holding stick from the conductor. Remove the red marker band.

7.2 Removal of Units

Connect the Grip-all clampstick to the FPI adapter.
Do not try to pull the FPI vertically down to disconnect. With the Grip-all clampstick vertical pull the stick towards the pole in line with the conductor. The unit will then disengage from the conductor.

Remove the unit from the Grip-all clampstick.

Switch the unit off.

Remove red marker band

7.3 Hot Stick Procedure Carried out from a Pole

Before commencing refer to 5.2 section 4.3 of the PSLWM

Carry out a visual inspection on both spans either side of work position.

Test the crossarm with an **approved** running earth. Ensure the earth spike is a minimum of 3metres away, and installed to the right or left side of the testing linesman.

(Only one linesman should be between the pole and the earth spike whilst testing is being carried out)

Mark the pole 0.8 metres down from the lowest **Live** conductor with a red markerband.

Carry out a mirror inspection of the insulators, binders etc. to ensure their integrity.

Carry out installation as per 7.1 of this procedure.

Removal as per 7.2 of this procedure