

NEED/OPPORTUNITY STATEMENT (NOS)



Test Equipment and Tools

NOS- 000000001747 revision 1.0

Ellipse project no(s): N/A

TRIM file: [TRIM No]

Project reason: Capability - Asset Replacement for end of life condition

Project category: Prescribed - Replacement

Approvals

Author	Daniel Burn	Project Feasibility Studies Manager
Endorsed	Paul Ahern	Business Support Manger
Approved	Colin Mayer	Manager Field Resources
Date submitted for approval	10 January 2017	

Change history

Revision	Date	Amendment
0	13/12/2016	Initial Issue
1	10/01/2017	Title Updated

1. Background

TransGrid owns a number of test equipment and tool assets that will reach the end of their serviceable lives within the next regulatory period. These typically include items such as Omicrons, Elcons, SF6 Gas Analysers and Testers, Thermovision cameras, Kelman testers, Hydraulic Crimping/Cutting Kits, Ethernet and Data test sets and Defibrillators.

2. Need/opportunity

The majority of these assets are required to be used for testing to ensure plant and equipment is within manufacturers required tolerance for safe operation and to monitor equipment degradation over its economic life. Should equipment degrade a rate quicker than anticipated, without being effectively monitored, there is a risk of early equipment failure and loss of supply.

Hydraulic crimping and cutting kits are used whilst constructing or repairing transmission line conductor and earth wire. There is a risk of joint failure if the correct crimping pressure is not applied. Similarly, tool bits, crimps, and cutting blades wear and require period replacement.

Working on HV and LV equipment is intrinsically a high risk activity, as defined by the WHS Act. Defibrillators are required to treat heart attack in the event of accidental electric shock.

3. Related needs/opportunities

Nil

4. Recommendation

It is recommended that options be considered to address the identified need.