

## Table of Approved Procedures Associated with the IPNL Distribution Safety Rules

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### Scope

It is the policy of IPNL that the Model Distribution Safety Rules (MDSRs) as prepared and maintained by the Energy Networks Association Safety, Health and Environment Committee shall form the foundation of IPNL's safety management system. IPNL have therefore adopted the MDSRs in their entirety.

This document provides a list of the applicable IPNL Approved Procedures to be read in conjunction with the MDSRs. In addition it provides a list of cross references with the MDSRs and any relevant IPNL specific Approved Procedures. In certain clauses of the MDSRs 2 ways for completing a particular activity are provided by way of a defined method **or** in accordance with an **Approved** procedure, for example clause 4.2.2 (a) states

#### 4.2.2 SAFETY LOCKS

- (a) Where a locking facility exists **Safety Locks Shall** be used to lock open all switchgear at points where the circuit on which work is to be carried out could be energised. The keys for such locks **Shall** be kept in a **Key Safe**, if provided, in the possession of a **Senior Authorised Person or** in accordance with an **Approved** procedure.

In the Approved Procedure List Clause 4.2.2 states "No IPNL specific procedure, Model DSRs clause applies". This means that IPNL does not have a specific **Approved** procedure for this activity and the defined method in the clause shall be followed.

## Table of IPNL Approved Procedures

Document Reference	Version	Approved Procedure Title
OM/EL/PR/001	1	Control of Operations and Access to IPNL Electricity Networks
OM/EL/PR/002	1	Switching Schedules
OM/EL/PR/003	1	High Voltage Switching
OM/EL/PR/004	1	Identification of Underground High Voltage Cables
OM/EL/PR/005	1	Completion of Safety Documents
OM/EL/PR/006	1	When the Safety Rules cannot be Applied
OM/EL/PR/007	1	Working or Testing at IPNL System and Distribution Network operator Boundaries
OM/EL/PR/008	1	Working in the Vicinity to Underground Plant
OM/EL/PR/009	1	Working Within Close Proximity to Overhead Lines
OM/EL/PR/010	1	Working in Confined Spaces
OM/EL/PR/011	1	Areas with Fire Protection Equipment
OM/EL/PR/012	1	Procedure for the use of Voltage Testing Devices
OM/EL/PR/1001	1	Table of Approved Procedures Associated with the IPNL Distribution Safety Rules

## Cross Reference of ENA Model Distribution Safety Rules (MDSRs) and IPNL Approved Procedures

<b>DSR Rule No.</b>	<b>Context</b>	<b>Inexus Approved Procedure Reference</b>
1.8	<b>Reporting of Accidents and Dangerous Occurrences</b>	Covered under OP/CM/PR/003 & OP/CM/PR/003A. Control Engineer is defined in OM/EL/PR/001
D14	<b>Definitions</b>	No Procedure but No Overhead Apparatus Owned or Intended to be owned by IPNL. Covered in Preface Statement
<b>SECTION 3 - GENERAL SAFETY PRECAUTIONS</b>		
3.1.2	<b>Access to and Work in Operational Premises, Underground Chambers and Confined Spaces</b>	OM/EL/PR/010 V1
3.1.3	<b>Access to and Work in Operational Premises, Underground Chambers and Confined Spaces</b>	OM/EL/PR/010 V2
3.1.4	<b>Access to and Work in Operational Premises, Underground Chambers and Confined Spaces</b>	OM/EL/PR/010 V3
3.3.1	<b>Climbing, etc. of Poles, Towers and High Structures</b>	OP/HS/PR/055 V1. No Overhead Apparatus Owned or Intended to be owned by IPNL. Covered in IPNL DSR Preface Statement
3.3.2	<b>Climbing, etc. of Poles, Towers and High Structures</b>	No Procedure but No Overhead Apparatus Owned or Intended to be owned by IPNL. Covered in IPNL DSR Preface Statement
3.3.3	<b>Climbing, etc. of Poles, Towers and High Structures</b>	No Procedure but No Overhead Apparatus Owned or Intended to be owned by IPNL. Covered in IPNL DSR Preface Statement
3.4.1	<b>Access to High Voltage Apparatus and Conductors</b>	No Procedure, but no such equipment owned or intended to be owned by IPNL.
3.5.2	<b>High Voltage Switching</b>	OM/EL/PR/001 V1; OM/EL/PR/003 V1; OM/EL/PR/002 V1
3.5.5	<b>High Voltage Switching</b>	OM/EL/PR/001 V1; OM/EL/PR/003 V1; OM/EL/PR/002 V1
3.7	<b>Failure of Supply</b>	OM/EL/PR/003 V1; OM/EL/PR/002 V1
3.8	<b>Use of Voltage Testing Devices</b>	No IPNL specific procedure
3.9	<b>Excavation near Live Cables</b>	OM/EL/PR/008 V1

3.10	<b>Use of Mobile Plant and Equipment Near Overhead Lines</b>	OM/EL/PR/09 V1
<b>SECTION 4 - SAFETY PRECAUTIONS FOR WORK ON OR NEAR HIGH VOLTAGE SYSTEMS</b>		
4.1.1 (c)	<b>General Requirements</b>	CMEs are to be applied via IPNL HV circuit breakers or earth Switches only as per DSRs clause 4.3.1 a. in all the circumstances. Where this is not possible an alternative procedure must be agreed in writing with the Envoy National Operations Manager.
4.1.1 (d)	<b>General Requirements</b>	OM/EL/PR/005; OM/EL/PR/001 V1
4.1.1 (e)	<b>General Requirements</b>	OM/EL/PR/005 V1
4.1.1 (i)	<b>General Requirements</b>	No IPNL Procedure currently in place. No such work planned in near future. Procedure for such work must be agreed in writing with the Envoy National Operations Manager prior to programming.
4.1.1 (iii)	<b>General Requirements</b>	Not applicable to IPNL's network
4.2.2 (a)	<b>Isolation of Apparatus and Conductors</b>	No IPNL specific procedure, Model DSRs clause applies
4.2.2 (b)	<b>Isolation of Apparatus and Conductors</b>	OM/EL/PR/005 V1
4.2.3	<b>Isolation of Apparatus and Conductors</b>	No IPNL Procedure currently in place. Model DSRs clause applies, i.e. Fuse or Link must always be replaced as per clause 4.2.3.
4.3.1 (b)	<b>Earthing</b>	Not applicable to IPNL networks please see 4.1.1 c above.
4.3.3 (a)	<b>Earthing</b>	See IPNL approved Test Equipment List
4.4.2 (b)	<b>Approach to Exposed Live High Voltage Conductors or Insulators Supporting Them</b>	No Procedure but No Live Exposed Busbars Owned or Intended to be owned by IPNL.
4.5.1 (a)	<b>Work in Substations and Switching Stations Containing Exposed Live High Voltage Conductors</b>	No Procedure but No Live Exposed Busbars Owned or Intended to be owned by IPNL.
4.5.1 (c)	<b>Work in Substations and Switching Stations Containing Exposed Live High Voltage Conductors</b>	No Procedure but No Live Exposed Busbars Owned or Intended to be owned by IPNL.
4.5.1 (e)	<b>Work in Substations and Switching Stations Containing Exposed Live High Voltage Conductors</b>	No Procedure but No Live Exposed Busbars Owned or Intended to be owned by IPNL.

4.5.2	<b>Work in Substations and Switching Stations Containing Exposed Live High Voltage Conductors</b>	No Procedure but No Live Exposed Busbars Owned or Intended to be owned by IPNL.
4.6.1 (a)	<b>Permits-to-Work</b>	OM/EL/PR/005 V1
4.6.4	<b>Permits-to-Work</b>	OM/EL/PR/005 V1
4.6.5	<b>Permits-to-Work</b>	OM/EL/PR/006V1
4.6.6	<b>Permits-to-Work</b>	Minor testing under PTW specifically prohibited by OM/EL/PR/005 V1
4.7.2 (a)	<b>Sanctions-for-Test</b>	OM/EL/PR/005 V1
4.7.4	<b>Sanctions-for-Test</b>	OM/EL/PR/005 V1
4.7.5	<b>Sanctions-for-Test</b>	Minor works under SFT specifically prohibited by OM/EL/PR/005 V1
4.8.2 (a)	<b>Limitations-of-Access</b>	OM/EL/PR/005 V1
<b>SECTION 5 PROCEDURES FOR WORK ON PARTICULAR ITEMS OF PLANT, APPARATUS OR CONDUCTORS</b>		
5.1.2	<b>General Safety Precautions</b>	Not applicable to IPNL networks
5.4.4 (i)	<b>Busbar Spouts, Busbars and Busbar Connections of Multi Panel Switchboards</b>	See IPNL approved Test Equipment List
5.4.4 (ii)	<b>Busbar Spouts, Busbars and Busbar Connections of Multi Panel Switchboards</b>	See IPNL approved Test Equipment List
5.6.1 (c)	<b>High Voltage Apparatus and Plant Operated by or Containing Compressed Air or Other Gases or Operated by Hydraulic Power</b>	No IPNL Procedure Exists. IPNL Has no Equipment containing Compressed Air or Hydraulic Systems. Only Pressured SF6 or Negative Pressure Vacuum Insulated Switchgear
5.6.1 (d)	<b>High Voltage Apparatus and Plant Operated by or Containing Compressed Air or Other Gases or Operated by Hydraulic Power</b>	No IPNL Procedure Exists. IPNL Has no Equipment containing Compressed Air or Hydraulic Systems. Only Pressured SF6 or Negative Pressure Vacuum Insulated Switchgear
5.6.3	<b>Access to or work on equipment containing SF6 Shall be carried out in accordance with an Approved procedure</b>	Covered by OP/HS/RA/417 V2 Serial 25. OM_EL_PO_012 V1 Electric Policy on Compliance with FGAS Regulations provided detail on requirements for testing for SF6.

5.7.1 (a)	<b>Transformers</b>	No IPNL specific other Approved means, Model DSRs clause applies
5.7.1 (c)	<b>Transformers</b>	No IPNL specific Procedure, No connections from IPNL network to traction loads.
5.7.1 (g)	<b>Transformers</b>	No IPNL specific Approved Procedure, Model DSRs clause applies
5.9.1	<b>High Voltage Cables</b>	OM/EL/PR/004 V1
5.9.2	<b>High Voltage Cables</b>	OM/EL/PR/004 V1
5.9.3	<b>High Voltage Cables</b>	OM/EL/PR/004 V1
5.9.4	<b>High Voltage Cables</b>	OM/EL/PR/004 V1
5.10.1 (a)	<b>High Voltage Overhead Lines – General</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
5.10.1 (d)	<b>High Voltage Overhead Lines – General</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
5.10.3 (a)	<b>High Voltage Overhead Lines – General</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
5.10.3 (b)	<b>High Voltage Overhead Lines – General</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
5.10.6 (b)	<b>High Voltage Overhead Lines – General</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
5.10.7	<b>High Voltage Overhead Lines – General</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
5.11.1	<b>Single or Multiple Circuit High Voltage Overhead Lines Without Keyed Flag Brackets and With All Conductors Dead</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
5.12.1 (b)	<b>Double Circuit High Voltage Overhead Lines without Keyed Flag Brackets and With One Circuit Live</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
5.12.3 (a)	<b>Double Circuit High Voltage Overhead Lines without Keyed Flag Brackets and With One Circuit Live</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
5.14.3	<b>Double Circuit High Voltage Overhead Lines With Keyed Flag Brackets and With One Circuit Live</b>	OM/EL/PR/09 V1 for Guidance. No Overhead Lines are Owned or Intended to be owned by IPNL.
<b>SECTION 6 SAFETY PRECAUTIONS FOR HIGH VOLTAGE LIVE LINE WORK ON HIGH VOLTAGE OVERHEAD LINES</b>		
6.1.1	<b>Authorisation</b>	No IPNL Procedure as No Overhead Lines are Owned or Intended to be owned by IPNL.

6.3.3	<b>General Safety Precautions</b>	No IPNL Procedure as No Overhead Lines are Owned or Intended to be owned by IPNL.
6.3.7	<b>General Safety Precautions</b>	No IPNL Procedure as No Overhead Lines are Owned or Intended to be owned by IPNL.
6.3.9	<b>General Safety Precautions</b>	No IPNL Procedure as No Overhead Lines are Owned or Intended to be owned by IPNL.
6.3.10	<b>General Safety Precautions</b>	No IPNL Procedure as No Overhead Lines are Owned or Intended to be owned by IPNL.
<b>SECTION 7 SAFETY PRECAUTIONS FOR THE TESTING OF HIGH VOLTAGE APPARATUS</b>		
7.2	<b>Work under the Terms of a Sanction-for-Test</b>	No IPNL specific Approved Procedure, Model DSRs clause applies
7.3.3	<b>Testing of High Voltage Apparatus</b>	No IPNL specific Approved Procedure, Model DSRs clause applies
<b>SECTION 8 SAFETY PRECAUTIONS AND PROCEDURES FOR WORK ON LOW VOLTAGE SYSTEMS</b>		
8.1.1	<b>General</b>	OM/EL/PR/001 V1;
8.1.4	<b>General</b>	OM/EL/PR/001 V1;MA/QU/PR/014B V8
8.1.5	<b>General</b>	MA/QU/PR/014B V8; OM/EL/PR/001 V1
8.1.7	<b>General</b>	No procedure Exists? No Overhead Lines are owned or intended to be owned by IPNL at this time.
8.3.1	<b>Additional Precautions for Work on Dead Low Voltage Cables</b>	No IPNL specific procedure exists, Model DSRs clause applies; Live working technique to be employed at all times.
8.3.2	<b>Additional Precautions for Work on Dead Low Voltage Cables</b>	No IPNL specific Procedure currently in place. No such equipment currently adopted by IPNL or planned for adoption in near future. Procedure for such work must be agreed in writing with the Envoy National Operations Manager prior to programming.
8.5.1	<b>Work on Live Low Voltage Apparatus and Conductors</b>	Covered by Jointing Method Statements
8.5.2	<b>Work on Live Low Voltage Apparatus and Conductors</b>	Covered by Jointing Method Statements
8.5.2	<b>Work on Live Low Voltage Apparatus and Conductors</b>	MA/QU/PR/014B V8
8.6.1	<b>Additional Precautions for Work on Live Low Voltage Cables</b>	Covered by Jointing Method Statements
8.6.2	<b>Additional Precautions for Work on Live Low Voltage Cables</b>	Covered by Jointing Method Statements

8.8.1	<b>Application of High Voltage Rules to Work on Low Voltage Apparatus and Conductors</b>	No IPNL specific Procedure currently in place. Procedure for such work must be agreed in writing with the Envoy National Operations Manager prior to programming.
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