WITHDRAWN Standards Awareness Briefing Note

Ref: NR/L3/MTC/PL0107	**Issue:** 3	**Publication Date:** 06/06/2009	**Compliance Date:** 05/09/2009
Title: Planning and delivery of 25Kv overhead line equipment isolations			
Standard Owner: David Wynne, Head of Infrastructure Maintenance Strategy			
Non-Compliance rep (NRNC): Jon Jarrett, Programme Manager, Infrastructure Maintenance			

Purpose: This procedure details the processes that need to be applied to ensure that Overhead Line Equipment (OLE) isolations are planned and delivered consistently and in accordance with NR/SP/ELP/29987 "Working on or about 25kV AC electrified lines" and with NR/SP/MTC/0056 "Work and possession planning for the railway infrastructure (meetings management pack)".

Scope: This procedure applies to all isolations that are controlled by Network Rail's Electric Control Operator (ECO) by pre-arranged line Block To Electric Trains (BTET), switching off and securing of circuit breakers and section switches to isolate the OLE, the subsequent testing and earthing of the OLE and the issue of an Overhead Line Permit. It also includes the application of or amendment to notice of BTET that either does not require an isolation or needs to remain in force following the relinquishing of an isolation.

It does not include local isolations or isolations carried out under emergency procedures.

This document does not repeat the content of NR/SP/ELP/29987, it defines the process by which Maintenance will deliver compliance. If there is any conflict between interpretation of this procedure and the standard, then NR/SP/ELP/29987 takes precedent.

What's New/Changed:

Withdrawn. Contents are in the new standards:

NR/L2/NDS/202

NR/L3/NDS/302

Affected documents:

Reference	*Impact*
NR/L3/MTC/PL0107 Issue 3	Withdrawn

Implementation requirements: *(The following posts have specific responsibilities within this standard and shall receive technical briefing as part of the Implementation Programme)*

Post	Team
Lead Planner (Delivery)	NDS Area Planning Teams
Isolation Planner	NDS Area Planning Teams
Infrastructure Maintenance DU Managers	DU Teams
Infrastructure Maintenance Engineer	DU Teams
DU Engineers	IME Teams
Infrastructure Services Manager	I-M DU Planning Teams
Work Plan Co-ordinator	I-M DU Planning Teams
Access Co-ordinator	I-M DU Planning Teams
Assistant Access Co-ordinator	I-M DU Planning Teams
Resource Planner	I-M DU Planning Teams
Assistant Resource Planner	I-M DU Planning Teams
Section Manager	DU Engineer Teams
Section Planner	DU Engineer Teams

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The following teams require briefing

A = Awareness, T= Technical	A	T
Executive Management Group	☐	☐
Commercial Property	☐	☐
Strategic Sourcing	☐	☐
Corporate Development	☐	☐
Finance	☐	☐
Funding	☐	☐
Govt & Corp Affairs	☐	☐
Human Resources	☐	☐
Information Management	☐	☐
Legal Services	☐	☐
National Delivery Service	☐	☒
Network Development	☐	☐
Ops & Customer Services	☐	☐
Planning & Regulation	☐	☐
Safety and Compliance	☐	☐
CTRL	☐	☐
Westwood	☐	☐
Engineering		
Civil Engineering	☐	☐
Electrical Power Engineering	☐	☐
EMC	☐	☐
Engineering Business Management	☐	☐
Enhancement Engineering	☐	☐
Ergonomics	☐	☐
FTOCS	☐	☐
Network Electrification	☐	☐
Ops Principles & Standards	☐	☐
Plant Engineering	☐	☐
Railway Systems	☐	☐
Renewal & Enhancement (C&C)	☐	☐
Renewal & Enhancement (M&E)	☐	☐
Renewal & Enhancement (Track)	☐	☐
T & RS Engineering	☐	☐
Technology Development	☐	☐
Telecoms Engineering	☐	☐
Track Engineering	☐	☐
Signal Engineering	☐	☐
Infrastructure Investment		
Crossrail	☐	☐
Track	☐	☐
Programme Controls	☐	☐
Contracts & Procurement	☐	☐
HSEA	☐	☐
Sig. Power & Comms	☐	☐
WCRM	☐	☐
Construction	☐	☐
FTN/GSM-R	☐	☐
Thameslink	☐	☐
Enhancement	☐	☐
Contractors	☐	☐
Infrastructure Maintenance		
Central Team	☒	☐
Route Teams	☒	☒
Delivery Units	☒	☒
National Programme Team	☒	☐
Operational Property	☒	☐
Overhead Condition Renewals	☐	☐
Contingent Labour Contractors	☐	☐
Plant Contractors	☐	☐
Infrastructure Support Services Contractors (On Track)	☒	☐

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Ref:	NR/L3/MTC/PL0107
Issue:	2
Date:	1 June 2008
Compliance date:	26 August 2008

Level 3

Planning and delivery of 25kV overhead line equipment isolations

HISTORICAL

Endorsement and Authorisation

Endorsed by:

.....

Paul Cooper, Working Group Chair

Authorised by:

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Nigel Edwards, Programme Manager Standardised Process & Procedures

Accepted for issue by:

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M. McManus, National Standards Manager

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Issue record

Issue	Date	Comments
1	Dec 2006	First issue
2	Sept 2007	Updated to reflect verification of isolation detail and IDF preparation. ECO no longer required to send back completed IDF as per NR/SP/ELP/29987.
3	June 2008	Planning 2a/Engineering reorganisation responsibility change

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 26 August 2008.

When this standard is implemented, it is permissible for all projects that have formally completed GRIP Stage 4 to continue to comply with the Issue of any relevant Network Rail Standards current when GRIP Stage 4 was reached and not to comply with requirements contained herein, unless the designated Standard Owner has stipulated otherwise in the accompanying Briefing Note.

Reference documentation

NR/L2/MTC/PL0056	Work and possession planning for the railway infrastructure (meetings management pack)
NR/L2/MTC/PL0086	Work and possession planning for the railway infrastructure: change control
NR/SP/ELP/29987	Working on or about 25kV A.C. electrified lines
SMF/EP/0190	25kV OLE Isolation Request Form (IRF)
SMF/EP/0243	Isolation Planning Form (IPF) – see NR/SP/ELP/29987 Module 6 Appendix A. The standard provides an outline template of the form. This electronic version is available as SMF/EP/0243.
SMF/EP/0244	Isolation Details Form (IDF) – see NR/SP/ELP/29987 Module 6 Appendix A. The standard provides an outline template of the form. An electronic version is available as SMF/EP/0244.
Form B	Authority to test and apply local earths to overhead line equipment (OLE); Authority to apply local earths to return conductors; Authority to issue overhead line permits – see NR/SP/ELP/29987
Form C	Overhead Line Permit – see NR/SP/ELP/29987

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1 Purpose

This procedure details the processes so Overhead Line Equipment (OLE) isolations are planned and delivered consistently and in accordance with NR/SP/ELP/29987 “Working on or about 25kV AC electrified lines” and with NR/L2/MTC/PL0056 “Work and possession planning for the railway infrastructure (meetings management pack)”.

2 Scope

This procedure applies to all isolations that are controlled by Network Rail’s Electric Control Operator (ECO) by pre-arranged line Block To Electric Trains (BTET), switching off and securing of circuit breakers and section switches to isolate the OLE, the subsequent testing and earthing of the OLE and the issue of an Overhead Line Permit. It also includes the application of or amendment to notice of BTET that either does not require an isolation or needs to remain in force following the relinquishing of an isolation.

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SMP applies to:	Infrastructure Maintenance	Operational Property	Overhead Line Condition Renewals	Contractors
	✓		✓	✓

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3 RACI

RACI DETAILS	KEY CONTROL ACTIVITY	Resources									
		Section Planner	Infrastructure Services Manager	Work Originator	Other parties	Isolation Planner	Electrical Control Operator	Nominated Person	Business Support Manager	COSS	Section Manager (OLE)
Process Task											
5		R									I
5.1											
5.1.1		A R	I R			I					I
5.1.2		I R		A R		I					
5.1.3		I R	I		A R	I			I		I
5.2		A R				I	I	I			C
5.3	X	C		C	C	A R	I				I
5.4	X					R	A R				
5.5	X	I	I	I	I	A R	I C				I
5.6		I		I	I	A R					I
6.1		A R						I			I
6.2				C	C		I	R			A
6.3	X						I	R			A
6.4	X						A R	I			
6.5							C	C			A R
6.6	X						A R	C			
6.7	X						A R	C R			
6.8								A R			
6.9	X							A R		I	
6.10										A R	
6.11								I		A R	
6.12	X						C	A R			
6.13							R	A R			
end RACI											

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