

Engineering Guideline  
Electrical Distribution Unit

GL D 79102

# Contractors Assessment Guide for MEL56 Accredited Aerial Line (HV and LV) Worker

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Guideline

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## Document control

Version	Date	Author/ Prin. Eng.	Summary of change
1.0	23 August 2017	Brian Lidbetter	First version

## Summary of changes from previous version

Summary of change	Section

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## 1 Introduction

As an operator of the electrical system, Sydney Trains is defined in the Electricity Supply Act (1995) NSW as a Distribution Network Service Provider (DNSP) and, as a DNSP, has the obligation to ensure sound processes are in place to govern its practices. This document defines the requirements and expectations of contractors requesting electrical authorisation to carry out electrical works on Sydney Trains' electrical infrastructure.

Sydney Trains guide PR D 78701 "Personnel Certifications – Electrical Authorisations" outlines Sydney Trains process for accreditation / re-accreditation of MEL56 Accredited Aerial Line (HV and LV) Worker.

## 2 Scope

The following information is provided as further guidance material so to develop an assessment tool to meet Table 2 requirement H of PR D 78701. This information will directly refer to requirements out of PR D 78701 and reference to that document should be made whilst reading this information

### 2.1 Requirements

MEL56 Accredited Aerial Line (HV and LV) Worker Accreditation / Re-Accreditation  
(Section 11.1 Table 2 of PR D 78701)

1. Re Requirement A, Copy of Certificate.
2. Re Requirement B, written advice from TfNSW Training or an RTO must be provided to the certifying authority.
3. Re Requirement C, written advice from TfNSW Training or an RTO must be provided to the certifying authority.
4. Re Requirement D, written advice from TfNSW Training or an RTO must be provided to the certifying authority.
5. Re Requirement E, written advice from TfNSW Training or an RTO must be provided to the certifying authority.
6. Re Requirement F, written advice from TfNSW Training or an RTO must be provided to the certifying authority
7. Re Requirement G, written advice from TfNSW Training must be provided to the certifying authority that the person has successfully completed either the accreditation or re-accreditation ENSR examination as applicable
8. Re Requirement H, the assessment by the supervisor and assessor must include on- the- job assessment of the person's ongoing ability to perform the duties of an Aerial Line (HV and LV) Worker. For the purposes of this assessment, in order for the Contracting Company's assessment material to receive consideration as being deemed suitable to the Sydney Trains Professional Head Electrical Engineering ESI, it must give detail on how this assessment will be performed in the following activities:- (Section 3 Assessment Content)

### 3 Assessment Content

Minimum assessment content to comply with Requirement H in Table 2 of PR D 78701.

<b>On the Job assessment for Aerial Line (HV and LV) Workers- Activities Description</b>	
<b>(a)</b>	<b>Understands and correctly uses Sydney Trains aerial line erection layouts, standard arrangements / configurations and data sheets</b>
<b>(b)</b>	<b>Appropriate use of SWMS and SWI's and pre work briefs</b>
<b>(c)</b>	<b>Works in the vicinity of running lines safely</b>
	Valid Rail Industry Workers card
<b>(d)</b>	<b>Works in the vicinity of live low voltage aerials safely</b>
	Use of tiger tails
	Work to Sydney Trains Electrical Network Safety Rules (ENSR)
<b>(e)</b>	<b>Applies RailCorp excavation and earthworks policies</b>
<b>(f)</b>	<b>Works around electrical equipment safely</b>
	Appropriate use of mobile plant around RailCorp's Electrical System
	Sydney Trains Pole hazard assessment form usage
	Compliance with Safe Approach Distances
	Complies with requirements of Sydney Trains Electrical Permits
	Applies appropriate equipotential bonding and construction earthing e.g. at Underground / Overhead interfaces (UGOH's) as per Electrical Network Safety Rules
<b>(g)</b>	<b>Works aloft safely</b>
	appropriate use of harness
	appropriate attached climbing
	appropriate use of rescue kit
	appropriate pole chair usage
	appropriate EWP usage
	appropriate ladder usage
	appropriate rigging procedures
	correct on site handling of tools, material and equipment
	inspects safety equipment before use
	displays the appropriate attitude to his duties to his co-workers, the public and himself
<b>(h)</b>	<b>Wears appropriate safety equipment and PPE</b>
	Correct clothing
	Safety glasses
	Hard Hat
<b>(i)</b>	<b>Follows the instructions of supervisors</b>
<b>(j)</b>	<b>Demonstrated knowledge of their own QA system and the Aerial Line (HV and LV) Worker's role in this system</b>
	What are the important issues to consider for reliability and safety
	Checklist
	Vegetation clearances and statutory clearances to objects