

Engineering System Integrity

Engineering Guideline
Electrical Distribution Unit

GL D 79102

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

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Document control

Version	Date	Author/Prin. Eng.	Summary of change
1.0	10 August 2017	Brian Lidbetter	First version
1.1	23 April 2021	Peter Woods	Update roles and position names to reflect the current organisation
1.2	07 March 2022	Joanna Santos	Updated document references

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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 that 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 *SP D 79055 Electrical Competency Specific Certifications* outlines the 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 to develop an assessment tool to meet SP D 79055 Table 2 requirement H. This information will directly refer to requirements out of SP D 79055 and reference to that document should be made while reading this information

2.1 Requirements

MEL56 Accredited Aerial Line (HV and LV) Worker Accreditation/Re-Accreditation (SP D 79055 Section 5.1 Table 2):

1. Re Requirement A, a copy of Certificate.
2. Re Requirement B, written advice from Transport for NSW (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 Associate Director Electrical Distribution Unit, 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 of Table 2:

	On-the-job assessment for Aerial Line (HV and LV) Workers – Activities Description
(a)	Understands and correctly uses Sydney Trains aerial line erection layouts, standard arrangements/configurations and data sheets
(b)	Appropriate use of SWMs and SWIs and pre-work briefs
(c)	Works in the vicinity of running lines safely
	Valid Rail Industry Workers card
(d)	Works in the vicinity of live low voltage aerials safely
	Use of tiger tails
	Works to Sydney Trains Electrical Network Safety Rules (ENSR)
(e)	Applies RailCorp excavation and earthworks policies
(f)	Works around electrical equipment safely
	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 (UGOHs) as per Electrical Network Safety Rules
(g)	Works aloft safely
	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 their duties to their co-workers, the public and themselves
(h)	Wears appropriate safety equipment and PPE
	Correct clothing
	Safety glasses
	Hard hat
(i)	Follows the instructions of supervisors

	On-the-job assessment for Aerial Line (HV and LV) Workers – Activities Description
(j)	Demonstrated knowledge of their own QA system and the Aerial Line (HV and LV) Worker’s role in this system
	What are the important issues to consider for reliability and safety?
	Checklist
	Vegetation clearances and statutory clearances to objects