

Engineering Guideline
Electrical Distribution Unit

GL D 79102

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

Version 1.1

Date in Force: 23 April 2021

Guideline

Approved by: Samiha Najem
A/Associate Director
Electrical Distribution Unit
Engineering System Integrity

Authorised by: Aaron Manvell
Engineering Technical
Publication Manager
System Integrity

Disclaimer

This document was prepared for use by persons in connection with works on or near the rail network electricity system operated by Sydney Trains. Sydney Trains makes no warranties, express or implied, that compliance with the contents of this document shall be sufficient to ensure safe systems or work or operation. It is the document user's sole responsibility to ensure that the copy of the document it is viewing is the current version of the document as in use by Sydney Trains. To the extent permitted by law, Sydney Trains excludes any and all liability for any loss or damage, however caused (including through negligence), which may be directly or indirectly suffered in connection with the use of this document.

Copyright

The information in this document is protected by copyright and no part of this document may be reproduced, altered, stored or transmitted by any person without the prior consent of Sydney Trains.

Document control

Version	Date	Author/ Prin. Eng.	Summary of change
1.0	10/08/2017	Brian Lidbetter	First version
1.1	23/04/2021	Peter Woods	Update roles and position names to reflect the current organisation

Summary of changes from previous version

Summary of change	Section

Table of Contents

1 Introduction4

2 Scope.....4

2.1 Requirements.....4

3 Assessment Content5

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 guide PR D 78701 Personnel Certifications – Electrical Authorisations 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 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 while 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, 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 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
(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