

Mobile Plant and/or Vehicle Minimum Approach Distance Request and Permission



In compliance with the New Zealand Electrical Code of Practice 34: 2001 Section 5.2, an applicant's statement is hereby requested for a reduction in the minimum permissible distance to approach live conductors with mobile plant and/or vehicles in accordance with the following proposal.

Work Details

Location:

Structure or pole number:

Request details (contractor's machinery and equipment involved, work to be carried out, etc):

Date(s) and duration of required minimum approach:

Safety and Compliance

Person responsible for minimum distance compliance (name):

Alternative responsible person (name):

Safety observer (required):

How will you identify the minimum distance boundaries?

How will you ensure compliance with the minimum distance boundaries?

Applicant Details

Date (DD/MM/YYYY):

/ /

Applicant reference no:

Applicant and / or company name:

Contact name:

Email:

Phone no:

Signature:

Contact Use (Approval Section)

STATEMENT: In terms of the **NZ Electrical Code of Practice 34: 2001 Section 5.2** and Contact's requirements, the requested mobile plant and/or vehicle minimum distance to live conductors is approved.

Minimum approved distance
metres

Contact reference no:

Contact approval by:

Date approved (DD/MM/YYYY):

/ /

Permission duration:

Expiry date (DD/MM/YYYY):

/ /

Signature:

Date (DD/MM/YYYY):

/ /

In an emergency, please contact:

This reduced approach distance permission is issued solely to the applicant or named company and may not be used by any other person or company. The permission is issued for the duration detailed above only. The applicant will notify the issuing Contact personnel upon completion of the works.

Works completed date (DD/MM/YYYY):

/ /

Permission cancelled (signature):

Do not attempt to measure distances to any line yourself. Seek advice from Contact.

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New Zealand Electrical Code of Practice 34: 2001 Section 5 Safe distances for the operation of mobile plant near conductors

- Mobile plant working near overhead electric lines can damage the line and be hazardous for the plant operator, the mobile plant and people in the vicinity.
- Conductors can be displaced from their normal position by wind or temperature change. This requires special consideration by mobile plant operators.
- The distance between any live overhead electric line and any part of any mobile plant or load carried shall be **at least 4m**, unless the operator has received written consent from the overhead electric line owner allowing a reduced distance.
- Mobile plant, or any load being carried, shall not operate above the conductors of any overhead electric line unless the operator has received the owner's written consent to work above it.
- The use of helicopters above overhead electric lines is governed by the Civil Aviation Rules.
- The application for written consent from the overhead electric line owner shall be made with reasonable notice.
- The overhead electric line owner's written consent shall specify:
 - a. The voltage of the overhead electric line and the minimum approach distance to be observed, which shall not be less than the requirements of Table 6; and
 - b. Any other reasonable conditions to be observed while working in proximity to, or above, the overhead electric line.
 - c. The section of line to which the consent applies.

Reduced minimum approach distances (where written consent has been obtained)

Circuit voltage	Minimum approach distance (m)
Not exceeding 1 kV – insulated conductor	0.15
Not exceeding 1 kV – conductor not insulated	1.0
Exceeding 1 kV but not exceeding 66 kV	1.0
Exceeding 66 kV but not exceeding 110 kV a.c. or d.c.	1.5
Exceeding 110 kV but not exceeding 220 kV a.c. or d.c.	2.2
Exceeding 220 kV d.c. but not exceeding 270 kV d.c.	2.3
Exceeding 270 kV d.c. but not exceeding 350 kV d.c.	2.8
Exceeding 350 kV d.c. or 220 kV a.c.	4

Other requirements

Where any mobile plant is likely to be used at any time in the proximity of overhead electric lines, the owner or operator of such device shall affix an approved warning notice in a conspicuous place as near as practicable to the operator's position. The notice shall be maintained in a legible condition and shall state: **Warning, keep clear of power lines.**

All power lines have the potential to cause serious harm or death if persons directly touch, indirectly touch or even simply get too close to a conductor or line. Do not attempt to measure distances to any line yourself. Seek advice from Contact.

Questions or ready to submit?

Email your completed application form to help@contact.co.nz.

If you have questions, or need advice on how to work safely around our power lines and infrastructure, call us on 0800 35 35 35.