



28 September 2005

Question:

Std: NZS 4512

402.2(f) requires the fire alarm system's mains electrical supply to be via a separate dedicated sub-circuit with its own circuit breaker/fuse.

Is this sub-circuit required to terminate at the building's main electrical distribution board, or may it be fed from a sub-main distribution board?

FI 045 - AMENDED

Interpretation:

Issued by the Alarms and Detection Group

The fire alarm's dedicated sub-circuit may terminate at either the main or a sub-main distribution board.

NOTE:

AS/NZS 3000 has specific requirements for the electrical supply to emergency systems such as fire alarms. Under certain circumstances it permits them to be powered from the supply side of a sub-main distribution board a maximum of one removed from the building's main distribution board.

Termination at the main distribution board is preferable, especially where sub-main distribution boards are under the control of tenants.