



28 March 2008

FI 085

Question:

Interpretation:

Std: NZS 4512

Issued by the Alarms and Detection Group

405.1.3(d)

Does this clause mean:

Neither is correct.

1. That a smoke detector must be fitted at a distance of 5m from the fixed cooking apparatus, or
2. That a complying smoke detector layout must be prepared for the room and any detectors within 5m of the cooking apparatus must be removed.

Clause 405.1.3 doesn't require anything; it gives permission to do things.

This clause is written such that if, in the normal course of designing coverage, one or more smoke detectors are proposed to be placed within 5m of fixed cooking apparatus then it is permissible (subject to (h)), but not mandatory, to substitute heat detector(s) for some or all of these smoke detector(s).

Normal placement rules still apply, so there may be a greater number of heat detectors required than the smoke detector(s) they replace.

Detector placement in the areas >5m from the cooking apparatus might also need to be adjusted to ensure all spacing and coverage rules of 405.2 and 405.3 are still complied with for the complete installation.

NOTE:

Substitution of heat detectors for smoke detectors will not eliminate the potential for nuisance alarms. All features of a building's design, especially code requirements for adequate ventilation, must be taken into account.