



**29 August 2005**

**FI 043**

**Question:**

**Interpretation:**

**Std: NZS 4512**

**Issued by the Alarms and Detection Group**

In a data processing centre or the like with a false floor and underfloor space, typically 200mm to 400mm deep, containing cabling:

a) Are detectors required to be installed in the underfloor space?

a) Yes, for a Type 3 or 4 (or 7) system, detectors are mandatory in the underfloor space because the situation does not meet any of the exclusions of 405.2.2

b) If so, does 405.1.3 permit smoke detectors to be replaced by heat detectors (or sprinklers) in the underfloor space?

b) No, for a Type 4 (or 7) system, smoke detectors are required in the underfloor space unless there is an identified risk of unwanted alarm activations per 405.1.3.

**NOTE:**

The above requirements apply irrespective of whether there is any Gas Flooding system in the area.