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## Room Integrity Testing

### What is "Room Integrity Testing" and why should it be done?

#### ***Effective Fire Suppression***

The effectiveness of a gaseous fire suppression system can only be guaranteed if it is regularly checked. If the system does not achieve the right concentration or does not hold that concentration for long enough it may not work!

#### ***Risk Limitation***

The fire suppression system is there to ensure any loss of business continuity and any collateral loss is kept to a minimum. Insurers and business managers need to have the comfort of knowing that the fire suppression system will work.

#### ***Discharge Testing***

Full discharge tests are expensive and in the case of Halon 1301 (BTM) it is actually illegal. If there is a leak a discharge test won't tell you where it is.

#### ***Standards and Recommendations***

BS5306 requires all gas systems to have an integrity test annually. A competent specialist should carry out the Integrity Test. The equipment should be designed specifically for this purpose and be regularly calibrated. The Test should be carried out in accordance with BS5306 or NFPA2001.

#### ***When should Integrity Tests Be Done?***

An integrity test should be done immediately after a system has been installed and routinely every year thereafter. Any alteration such as changing a door or putting a new cable through a wall can affect the room's gas holding ability. Routine servicing will not reveal this. So an Integrity Test should be carried out after any alteration and the annual testing dates adjusted to follow annually thereafter.

#### ***Who can do integrity Testing?***

MK Fire Ltd can provide Integrity testing anywhere in the UK.

#### ***Related services offered by MK Fire Ltd***

- Special Fire Detection Systems for IT Installations (such as VESDA)
- Replacement of Halon Systems and Halon Disposal
- Installation of New Gaseous Fire Suppressions Systems
- Servicing of Fire Detection And Fire Suppression Systems

## Annual Room Integrity Testing is required by BS5306

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