

APPENDIX E
COMMISSIONING TEST REPORT
(Informative)

**THE FIRE DETECTION AND ALARM SYSTEM
INSTALLED AT:**

(Premises)
.....
.....

Postcode

Owner or Owner's Authorized Agent
.....
.....

Postcode

- NEW*
- MODIFICATION TO SYSTEM*
- ADDITION TO*
- (*Cross out those not applicable)

Date of commissioning tests

Name and address of commissioning company, company stamp or company (name in
'BLOCK LETTERS')
.....
.....

Postcode

Commissioning person

Name (print)

Signature

INSTRUCTIONS:

This form is to be used in conjunction with—

- (a) operator's manual;
- (b) installer's statement(s); and
- (c) 'as-installed' drawings,

to provide a complete description of the installed system and its tested performance at the time of its commissioning into service.

SYSTEM INFORMATION**GENERAL****YES**

- (a) *Equipment* Equipment has been designed and constructed in accordance with the relevant Standards.
- (b) *Installation* Equipment has been located, installed and interconnected in accordance with the system documentation.
- (c) *Compatibility* All detectors and other devices used in the system are—
 - (i) listed in the operator's manual;
 - (ii) compatible with the relevant parts of CIE, particularly that the permitted number of detectors and other devices for each circuit is not exceeded;
 - (iii) installed in an environment for which they are suitable;
 - (iv) not set to a sensitivity outside that prescribed in the relevant product Standard.
- (d) *Alarm zone limitations* The alarm zone limitations in Clause 2.4 of AS 1670.1 are not exceeded.
- (e) *Primary power source*
 - (i) The primary power source for the system has been provided in accordance with AS/NZS 3000.
 - (ii) The isolating switch disconnects all active conductors.
 - (iii) Five operations of the primary power source switch did not cause an alarm to be indicated on the system.
- (f) *Secondary power source*
 - (i) The secondary power source is of a suitable type and capacity complying with the requirements of Clause 3.16.2 of AS 1670.1.
 - (ii) The float voltage, charger type and setting is correct and in accordance with the battery manufacturer's recommendation.
- (g) *Battery temperature and voltage* The battery voltage corresponds to that specified by the battery manufacturer for the temperature measured after 24 h quiescent operation.
- (h) *Alarm zone parameters* Each alarm zone circuit is within the equipment manufacturer's specifications.
- (i) *Wire-free alarm zones* Wire-free actuating device parameters meet the minimum parameters specified by the manufacturer, including that the receiver responds to signals from an actuating device for alarm, tamper, low standby power signals and gives a fault signal when the supervisory signal condition is absent.

- (j) *Operation of fault and alarm signals* Fault and alarm conditions correctly detect and indicate as the correct alarm zone, operating other required indicators, and operate relevant outputs of the CIE.
- (k) *Mimic panel* All mimic panels, annunciators, etc., operate correctly.
- (l) *Alarm zone controls* Alarm test, fault test, isolate and reset facility of each alarm zone operates correctly.
- (m) *Alarm dependency* Alarm dependency works correctly and does not apply to devices listed in Clause 3.3 of AS 1670.1.
- (n) *CIE response to actuating device operation* Each actuating device has operated when tested with a medium suitable for the device type and the alarm has indicated on the FIP and at the tested device.
- (o) *Fault response time* The response to a fault does not exceed 100 s for each alarm zone circuit.
- (p) *Alarm response time* At least one detector in each alarm zone has been tested and the response to the alarm does not exceed 10 s or the period specified when dependency on more than one alarm signal is used.
- (q) *Supervisory signal response time* At least one supervisory device in each alarm zone circuit has been tested and the response to the supervisory device does not exceed 100 s.
- (r) *Alarm acknowledgment facility* Alarm acknowledgement facilities operate in accordance with the requirements of Clause 3.2 AS 1670.1.
- (s) *Occupant warning system*
- (i) A fault signal is displayed at the CIE when the circuit wiring at the last speaker or sounder is short or open circuited.
- (ii) Each sounder/speaker operates in accordance with the requirements of Clause 3.22 of AS 1670.1 and a record of the sound pressure level has been made.
- (t) The external alarm indication is visible from the main approach to the building.
- (u) *Manual call points*
- (i) Each manual call point operates correctly.
- (ii) The activation of manual call points do not cause existing detector alarm indications to be extinguished.
- (iii) Manual call points are not subject to alarm dependency.
- (v) *Smoke and fire door release* Each door-release device operates correctly.
- (w) *Flame detectors*
- (i) The number and type of flame detectors provide adequate protection for the area.
- (ii) There are no 'blind' spots in the area protected.
- (iii) Detectors are rigidly fixed.
- (iv) Detector lenses are clean and adequately protected from dust and extraneous radiation sources.
- (v) Detectors respond to a flame or simulated flame source.

- (x) *Multi-point aspirating smoke detectors*
- (i) Response time of all sampling points meets the requirements of AS 1670.1.
 - (ii) Alarm settings and indicators operate correctly.
 - (iii) Remote indication of alarm and fault signals operate correctly.
 - (iv) Airflow failure indicator operates correctly.
 - (v) System (signal) failure indicators operate correctly.
 - (vi) Isolate and reset functions operate correctly.
 - (vii) Alarm and fault test facilities operate correctly.
- (y) *Duct sampling unit* The alarm indicator is clearly visible from a trafficable area and the duct air velocity exceeds the minimum velocity specified for the unit. If not, the measured differential pressure is at least the minimum specified for the unit.
- (z) *Ancillary control functions* Each ancillary control function operates with the activation of associated alarm zones.
- (aa) *Alarm signalling equipment* Alarm signalling equipment initiates a fire alarm signal to the monitoring service provider.
- (bb) *Labelling* Alarm zone location is immediately apparent from the alarm zone labelling.

DOCUMENTATION

The following documentation is located in or adjacent to the FIP:

- (a) 'As-installed' drawings.
- (b) CIE documentation required by AS 4428.1 or AS 7240.2.
- (c) Commissioning test report.
- (d) Installer's statement in accordance with Appendix E of AS 1670.1.
- (e) A log complying with the requirements of Clause 7.3 of AS 1670.1.
- (f) Aspirating system design tool calculation.

APPENDIX F
STANDARD FORM OF INSTALLER'S STATEMENT FOR
FIRE ALARM SYSTEM

(Normative)

- 1 Name of premises
- 2 Situated at
-
-
- 3 I/We have installed in the above premises
an alteration to the system of
- a system of
- (Brand name)
- 4 The system is connected to the monitoring service provider
- 5 The system incorporates the following ancillary equipment:
-
-
- 6 The quiescent load of ancillary equipment is
- 7 Primary power voltage and source
- 8 Secondary battery type and capacity
- 9 System maintenance agreement details
- 10 Portion/s of premises not protected by this system
-
-
- 11 I/We hereby certify that:
- (a) the installation is complete and has been thoroughly tested.
- (b) the system is installed in accordance with the current requirements of AS 1670.1*.
- (c) the system is installed in accordance with attached design specification*.
- Except in regard to the following details*
-
-
- which have been approved by (person)
- of (organization)

*Strike out the words that are not applicable.

Location of fire indicator panel