

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')

.....MAILING:.....

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	NO	N/A
(a) Equipment has been designed and constructed in accordance with the relevant Standards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) Installation Equipment has been located, installed and interconnected in accordance with the system documentation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) Compatibility All detectors and other devices used in the system are-			
(i) listed in the operator's manual:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) compatible with the relevant parts of CIE, particularly that the permitted number of detectors and other devices for each circuit is not exceeded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) installed in an environment for which they are suitable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iv) not set to a sensitivity outside that prescribed in the relevant product Standard.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) Alarm zone limitations The alarm zone limitations in Clause 2.4 of AS 1670.1 are not exceeded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(e) Primary power source			
(i) The primary power source for the system has been provided in accordance with AS/NZS 3000.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) The isolating switch disconnects all active conductors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Five operations of the primary power source switch did not cause an alarm to be indicated on the system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) The float voltage, charger type and setting is correct and in accordance with the battery manufacturer's recommendation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(h) Alarm zone parameters Each alarm zone circuit is within the equipment manufacturer's specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	YES	NO	N/A
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(k) Mimic panel All mimic panels, annunciators. etc.. operate correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(l) Alarm zone controls Alarm test, fault test, isolate and reset facility of each alarm zone operates correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(m) Alarm dependency Alarm dependency works correctly and does not apply to devices listed in Clause 3.3 of AS 1670.1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(o) Fault response time. The response to a fault does not exceed 100 s for each alarm zone circuit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(r) Alarm acknowledgment facility Alarm acknowledgement facilities operate in accordance with the requirements of Clause 3.2 AS 1670.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(t) The external alarm indication is visible from the main approach to the building.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(u) Manual call points			
(i) Each manual call point operates correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) The activation of manual call points do not cause existing detector alarm indications to be extinguished.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	YES	NO	N/A
(iii) Manual call points are not subject to alarm dependency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(v) Smoke and fire door release Each door-release device operates correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(w) Flame detectors			
(i) The number and type of flame detectors provide adequate protection for the area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) There are no 'blind' spots in the area protected.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Detectors are rigidly fixed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iv) Detector lenses are clean and adequately protected from dust and extraneous radiation sources.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(v) Detectors respond to a flame or simulated flame source.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(x) Multi-point aspirating smoke detectors			
(i) Response time of all sampling points meets the requirements of AS 1670.1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Alarm settings and indicators operate correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Remote indication of alarm and fault signals operate correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iv) Airflow failure indicator operates correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(v) System (signal) failure indicators operate correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(vi) Isolate and reset functions operate correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(vii) Alarm and fault test facilities operate correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(z) Ancillary control functions Each ancillary control function operates with the activation of associated alarm zones.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(aa) Alarm signaling equipment Alarm signaling equipment initiates a fire alarm signal to the monitoring service provider.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(bb) Labeling Alarm zone location is immediately apparent from the alarm zone labeling.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DOCUMENTATION

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

	YES	NO	N/A
(a) 'As-installed' drawings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) CIE documentation required by AS 4428.1 or AS 7240.2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) Commissioning test report.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) Installer's statement in accordance with Appendix E of AS 1670.1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(e) A log complying with the requirements of Clause 7.3 of AS 1670.1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(f) Aspirating system design tool calculation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>