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BS 5839-1 FIRE DETECTION AND FIRE ALARM SYSTEM MAINTENANCE/SERVICE CHECK LIST

Certificate Number: C170007

DETAILS OF CLIENT	
Client	Tes T Customer
Address	Unit 15 Justin Businesses Park Sandford Lane Warehoo, Dorseta, United Kingdom BH21 4DY 07752132816

DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM	
Client	Dave Smith
Address	Senad Group Ltd, 1 St. Georges House, Vernon Gate Derby, Derbyshire, United Kingdom DE1 1UQ

	Engineer Declaration	✔ = Yes ✘ = No N/A	Comments
Quarterly inspection of vented batteries			
	All vented batteries and their connections examined by a person competent in battery installation and maintenance technology. Electrolyte levels checked and topped up as necessary	✓	test0 test comment test comment test comment test comment test comment
Six monthly periodic inspection and test of the system			
A visual inspection to check whether structural or occupancy changes have affected the compliance of th system with the recommendations of BS 5839-1 for the siting of manual call points, automatic fire detecto fire alarm devices.			
1	The system logbook examined. Any faults recorded have received appropriate attention.	✘	test1
2	All manual call points remain unobstructed and conspicuous.	✓	test2 test co test commer comment tes comment
3	All exits including any new exits have an adjacent manual call point.		
4	No new or relocated partitions have been erected within 500 mm horizontally of any automatic fire detector. [see 22.3g)].	✘	test5
5	No storage encroaches within 300 mm of ceilings, such as to obviate compliance with 22.3i).	✓	test4 test comment test comment test comment
	A clear space of 500 mm is maintained below each automatic fire [see 22.3o)], and that the ability of the detector to receive us that it has been designed to detect has not been by other means.	✓	test6

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Configurable Filenames. Including date, job no and custom text.

Six monthly periodic inspection and test of the system			
7	No changes to the use or occupancy of an area that makes the existing types of automatic fire detector unsuitable for detection of fire or prone to unwanted alarms.	✗	test7 test comment test comment test comment test comment
8	No new building alterations or extensions require additional fire detection and fire alarm equipment to be installed.	✓	test8
9	All of false alarms records checked in accordance with 30.2i).	✗	test9
10	The rate of false alarms during the previous 12 months calculated and recorded [see below].	✓	test10 test comment test comment test comment
11	Number of detectors on the system (x) Number of false alarms in the past 12 months (y) Rate of false alarms per 100 detectors (z) = 100 x (y/x)	X = 37 Y = 10 Z = 27.02	test11.2 false alarm comment test test test test test test
12	Action taken in respect of false alarms recorded complies with recommendations of 30.2j).	✗	test12 test comment test comment test comment
13	Is the battery charge voltage with the mains on steady and within the manufacturer's recommendations? Ensure that the standby batteries are disconnected and the alarm activated and that the power supply output voltage is checked and appears close to the nominal voltage.	✓	Battery charge voltage = 16.5 V
14	Have the batteries been load tested with the mains disconnected (other than those within devices such as manual call points, detectors and fire alarm sounders of a radio-linked system), to ensure that they are in good serviceable condition and not likely to fail before the next service visit.	✗	test14
15	Is specific gravity of any vented batteries correct?	✓	test15
16	The fire alarm functions of the CIE should be checked by the operation of at least one detector or manual call point on each circuit. (An entry should be made in the logbook indicating which initiating devices have been used for these tests.)	✗	test16
17	The fire alarm devices (sounders, visual devices) operate correctly	✓	test17 test comment test comment test comment
18	All controls and visual indicators at the CIE operate correctly.	✗	test18
19	Any facilities for automatic transmission of fire and fault signals to an ARC operate correctly. (if dual path signalling then both path need to be checked)	✓	test19
20	All ancillary functions of the CIE operate correctly.	✗	test20
21	All fault indicators and monitoring of their circuits operates correctly. (Where practicable, by simulation of fault conditions.)	✓	test21 test comment test comment test comment
22	All printers checked to ensure that they operate correctly and that characters are legible.	✗	test22 test comment test comment test comment test comment test comment test comment test comment test comment

Six monthly periodic inspection and test of the system			
23	All printer consumables are sufficient in quantity or condition to ensure that the printer can be expected to operate until the time of the next service visit.	✓	test23 test comment test comment test comment
24	Radio systems of all types serviced in accordance with the recommendations of the manufacturer.	✗	test24 test comment test comment test comment
25	Any further checks and tests recommended by the manufacturer of the CIE and other components of the system carried out.	✓	test25 test comment test comment test comment
26	On completion of the work, any outstanding defects should be reported to the premises management. The system logbook [see 40.2d)] should be completed and an inspection and servicing certificate should be issued.	✗	test26 test comment test comment test comment test comment test comment test comment test comment test comment test26 test comment test comment test comment test comment test comment test comment test comment test comment test comment test comment

Twelve monthly periodic inspection and test of the system In addition to the checks carried for the six monthly inspection the following additional checks have been carried out.			
27	Every manual call point tested, either by removal of a frangible element, insertion of a test key or operation of the device as it would be operated in the event of fire.	✓	test27 test comment test comment test comment test comment test comment
28	All automatic fire detectors and remote detectors examined, as far as practicable, to ensure that they have not been damaged, painted	✗	test28 test comment test comment test comment test comment test comment test comment
29	Every detector functionally tested. (including heat detectors, point smoke detectors, optical beam detectors, aspirating fire detectors, carbon monoxide fire detectors, flame detectors and multi-sensor detectors) To prove that the detectors are connected to the system, are operational and are capable of responding to the phenomena they are designed to detect.	✓	test29
30	Where fitted, detector remote indicators checked for correct operation	✗	test30
31	For fire detection systems that enable analogue values to be determined at the CIE. Each analogue value checked and is within the range specified by the manufacturer	✓	test31

Twelve monthly periodic inspection and test of the system In addition to the checks carried for the six monthly inspection the following additional checks have been carried out.			
32	All fire alarm devices (sounders, visual devices) checked for correct operation.	✗	test32
33	All visual fire alarm devices not obstructed from view and that their lenses are clean	✓	test33 test comment test comment test comment test comment test comment test comment
34	All unmonitored, permanently illuminated filament lamp indicators at CIE replaced.	✗	test34
35	Radio signal strengths in radio-linked systems to which Clause 27 applies checked for adequacy, and the results recorded	✓	test35 test comment test comment test comment
36	All readily accessible cable fixings visual inspected and are secure and undamaged.	✗	test36
37	The cause and effect programme confirmed as being correct by activating at least one cause and observing the operation of effects.	✓	test37
38	The standby power supply capacity checked to establish it remains suitable for continued service.	✗	test38 test comment test comment test comment test comment test comment
39	All further annual checks and tests recommended by the manufacturer of the CIE and other components of the system carried out.	✓	test39 test comment test comment test comment test comment test comment test comment

Additional checks for a special inspection on appointment of a new servicing organisation			
40	Existing records (see Clause 40), where available, studied, and sufficient information obtained and documented for effective future servicing of the system	✗	test40 test comment test comment test comment test comment
41	Adequate number of call points to conform to 20.2	✓	test41
42	Adequate provision of fire detection for the Category of system that the system was designed to meet	✗	test42
43	Sound pressure levels conform to the recommendations of 16.2	✓	test43
44	Standby power supplies conform to 25.4	✗	test44
45	All cabling where visible with fire resistance conforms to 26.2c	✓	test45 test comment test comment test comment test comment
46	All circuits monitored in compliance of 12.2.1	✗	test46 test comment test comment test comment test comment
47	Requirements of BS 7671 for electrical safety met clause 29	✓	test47 test comment test comment test comment test comment

Additional checks for a special inspection on appointment of a new servicing organisation			
48	False alarms at a level that complies with Section 3	✕	test48
49	No changes in the use, layout and construction of the protected premises that may impact on the effectiveness of the system	✓	
50	Zone plan or other suitable diagrammatic representation of the premises [see 23.2.2e)]. Present and correct.	N/A	
51	If logbook available (if not available a suitable logbook should be provided by the servicing organisation & dated.)		text of the printing and typesetting industry

The following work could not be completed for reasons beyond the control of the company:

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A subsequent visit by an Engineer is required to complete the work Yes ☑ No ☐

I certify that the above checks & functional test have been completed in accordance with manufacturers recommendations and/or applicable codes of practice.

Signature: Rupal **Print:** Rupal **Date:** 11/05/2023