

Fire / Smoke Control System

Last Issue Date: 08/08/2017		Type Of Service				
Activity		A	B	C	D	E
1	SIMULATION (from FIP): a) Simulate by activation from FIP, the fire/smoke situation (for each system or zone where relevant), required to effect changeover from normal mode to fire mode or shutdown as appropriate. b) Check fans, dampers and indicator lamps operate in fire mode as documented. Refer to Special Comments for additional information.			Y	Y	
2	SIMULATION (from DETECTOR): a) Conduct a simulation of a fire/smoke situation (for each system or zone where relevant) to effect changeover from normal mode to fire mode or shutdown as appropriate. b) Check fans, dampers and indicator lamps operate in fire mode. NOTE: Tests required in Activities 4, 5 and 6 are carried out during this simulation test. Refer to Special Comments for information.				Y	
3	Operate the manual switches at the FFCP. Check that fans start and stop and dampers, if applicable, open and close as documented.				Y	
4	SYSTEM SHUTDOWN: a) Where supply air systems are fitted with a smoke detector(s), check system shuts down when the detector is automatically activated as documented. b) Verify re-start when the smoke clears and verify that the FFCP manual override 'ON' operates while the fan has shut down due to supply smoke detection.				Y	
5	ZONE SMOKE CONTROL: a) Check the system performance criteria as documented. b) Record all differential pressures on a separate sheet.				Y	
6	FIRE CURTAINS AND SMOKE CURTAINS: Check to ensure that the integrity and leakage performance are not compromised by operation of the mechanical systems in fire mode.				Y	
7	REVERSION TO NORMAL: Switch system back to 'normal' and check that all equipment and indicator lamps are in the correct non-fire mode.			Y	Y	
8	Record the results in the log book.			Y	Y	

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For more information please contact the applicable Facilities Management Service Provider.



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Special Comments and Technical Data

C SERVICE 3 MONTHLY

D SERVICE ANNUAL

FOR INFORMATION ON THE SERVICING REFER TO AS1851, CLAUSE 13.4.2.4 AND 13.4.2.5, THE NOTES & APPENDICES H & I.

SIMULATION (FROM FIP) - FROM AS1851 TABLE 13.4.2.4:

1/ THE PURPOSE OF A SIMULATED TESTING ROUTINE IS TO CHECK THE FUNCTIONING OF THE AIR-HANDLING CHANGEOVER SYSTEM AND NOT THE DETECTORS THEMSELVES. THE RECOMMENDED PRACTICE IN THIS CASE IS TO SIMULATE ACTIVATION OF THE SYSTEM BY INITIATING THE FIRE ALARM VIA THE SWITCH IN THE FIP.

2/ THIS CHANGEOVER TEST IS INITIATED IN THE FIRE PANEL TO VERIFY THE INTEGRITY OF THE INTERFACE BETWEEN FIRE AND MECHANICAL SYSTEMS.

3/ VERIFICATION OF FAN OR DAMPER OPERATION MAY USE ELEMENTARY TESTING PROCEDURES; E.G. HEARING FAN START, OBSERVATION OF INDICATOR LAMP CHANGE OF STATUS, FEELING OF AIR MOVEMENT ACROSS DOORWAY, GRILLE, DUCT, ETC.

SIMULATION (FROM DETECTOR) - FROM AS1851 CLAUSE 13.4.2.5

NOTES:

1/ THE PURPOSE OF AN AUTOMATIC TESTING ROUTINE IS TO CHECK THE FUNCTIONING OF THE AIR-HANDLING CHANGEOVER SYSTEM BY THE ACTIVATION OF A FIELD DEVICE (DETECTOR OR SPRINKLER). THE RECOMMENDED PRACTICE IN THIS CASE IS BRINGING A HEAT, FLAME OR SMOKE SOURCE TO A DETECTOR OR OPERATING A SPRINKLER VALVE TO ACTIVATE FLOW/PRESSURE SWITCHES.

2/ THIS CHANGEOVER TEST IS INITIATED IN THE FIELD DEVICE TO VERIFY THE END-TO-END INTEGRITY OF THE FIELD DEVICE & MECHANICAL SYSTEMS INTERFACE(SEE AS1851 CLAUSE 1.12).

SERVICING NOTIFICATION:

THE AGENCY FACILITY REPRESENTATIVE IS TO BE NOTIFIED WHENEVER AN AUTOMATIC ACTIVATION TEST IS TO BE CONDUCTED TO ADVISE THAT THE ALARM WILL SOUND AND THE SYSTEM MAY BE INOPERATIVE FOR A CERTAIN TIME.

COMPARTMENT SEQUENCING:

FOR THE PURPOSE OF THIS TEST, EACH COMPARTMENT SHOULD BE SEQUENTIALLY PLACED IN FIRE MODE.

TDS REFERENCES:

FOR THE SERVICING REQUIREMENTS OF THE COMPONENTS E.G. FANS, MOTORS, FIRE DAMPERS ETC. REFER TO THE RELEVANT TDS.

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