

## Emergency Warning & Intercom Systems

Activity		Type Of Service				
		A	B	C	D	E
Last Issue Date: 15/02/2019						
1	EMERGENCY WARNING SYSTEMS:		Y		Y	Y
2	Zone Block Plans: Check for secure mounting, legibility and if required, satisfactory supplementary zone plans are provided.		Y		Y	Y
3	Control and Indicating Equipment: a) Check the Warning System Panel is clearly visible, readily accessible and for cleanliness; b) Where a panel can be obscured by a door check the door is correctly labelled; and c) Where manual call points use replaceable frangible elements, check there is at least 1 spare with an available tool.		Y		Y	Y
4	Battery Enclosures: For vented batteries check for any corrosion.		Y		Y	Y
5	System Test: Simulate an alarm condition and confirm that the required warnings signals operate.		Y		Y	Y
6	Emergency Call Points: a) Inspect all points for any impairment likely to affect operation; and b) Test the operation of each emergency call point.				Y	Y
7	Visual Warning Devices (VWDs): a) Where used as alarm indicating devices, inspect all devices for any condition or damage likely to affect their operation: b) Check for correct labelling (where required); and c) Test the operation of each device.				Y	Y
8	Other Warning Devices: a) Where used as alarm indicating devices, check for any condition or damage likely to affect their operation: b) Check for correct labelling (where required); and c) Test for correct operation.				Y	Y
9	Warning System Initiation: Simulate an alarm condition via the fire system with the warning system in automatic mode.				Y	Y
10	Fault: Simulate a speaker circuit fault, emergency call point circuit fault for each circuit and confirm the fault condition is indicated at the emergency warning panel (EWP), FIP and any corresponding Session Initiation Protocol (SIP).				Y	Y
11	Test or confirm the operation of the aural indicators.				Y	Y
12	Panel Switches and Keypads: Test the operation of each control.				Y	Y
13	Faults: Simulate a fault between the fire system and the warning system and confirm the fault condition is indicated at the EWP and the FIP.				Y	Y

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14	Visual Indicators: Test the operation of each indicator and the alphanumeric displays.				Y	Y
15	Nominal Battery Capacity: a) Measure the system aquiescent and alarm currents and record both; b) Check the required battery capacity and record; and c) Check the installed battery's capacity is no less.				Y	Y
16	Ancilliary Controls: Test the operation of the control functions ensuring that each controlled device can be correctly initiated.				Y	Y
17	Audibility Test: Test the EWS and check the signals are distinctly audible in all areas of the building.				Y	Y
18	Override Test: Check the alarm signal overrides non-emergency audible signals.				Y	Y
19	Interface and Control Test (Refer TDS F39): A functional system test with other interfaced fire systems is to be done in accordance with AS1851 scheduled using F39: Interface Testing of Fire Protection Systems. See Special Comments.				Y	Y
20	Batteries: Check battery condition and undertake a discharge test in accordance with AS1851.				Y	Y
21	Check and liaise with the Site Rep.whether any structural or layout changes or any occupancy changes have occurred likely to impact on the system and advise the Facility Manager if there are concerns.				Y	Y
22	Speech Intelligibility: Undertake tests to ensure intelligibility in all areas of the building where required.					Y
23	Sound Pressure Level: a) Measure the sound pressure level from at least 1 reference point for each amplifier; b) Check the level is consistent with the reference level; and c) Record the: Reference Location, Reference Level, and Measured Sound Pressure Level.					Y
24	Emergency Warning System Speaker Circuits: a) Measure the impedance of each loudspeaker circuit and check that it has not changed by more than 15% from the last test or exceeded the rated output as required for the amplier; and b) Record the required impedance and the Impedance per circuit.					Y
25	EMERGENCY INTERCOM SYSTEMS:				Y	Y
26	Emergency Intercom Equipment: a) Check the panel for clear visibility, accessibility and cleanliness; and b) Where a Panel can be obscured by a door check the door is correctly labelled.				Y	Y
27	Visual Indicators:				Y	Y

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	Test the operation of the indicators and alphanumeric displays.					
28	Aural Indicators: Test the operation.				Y	Y
29	Panel Switches and Keypads: Test the operation of each required control e.g. Secondary Emergency Control Panels.				Y	Y
30	Fault: Simulate a WIP circuit fault condition and confirm the fault condition is indicated at the intercom panel.				Y	Y
31	Reset Function: Test the operation.				Y	Y
32	Warden Indicator and Controls: Check the operation of each indicator and control.				Y	Y
33	Warden Intercom Points: a) Check all WIPs for clear visibility, accessibility and cleanliness; and b) Where a WIP can be obscured by a door check the door is correctly labelled.				Y	Y
34	WIPs - Outgoing Function Test: Initiate a call from each WIP and confirm that each WIP: a) Is indicating correctly; and b) Clear communication is possible with the intercom panel operator.				Y	Y
35	WIPs - Incoming Function Test: Initiate a call to each WIP and Phone and confirm that each WIP: a) Is indicating correctly; and b) Clear communication is possible with the intercom panel operator.				Y	Y
36	WIPs - All-Call address: a) Select the All-Call address function and check that the visual indicator for all WIP phones activate; b) Check that the address is heard at all WIP phones; and NOTE: This Test may be carried out with a Practice Evacuation or ECO training.				Y	Y
37	Stand-alone Intercom Systems: For vented batteries check the battery enclosure for corrosion.				Y	Y
38	Stand-alone Intercom System - Nominal Battery Capacity: a) Measure the system aquiescent and alarm currents and record both; b) Check the required battery capacity and record; and c) Check the installed battery's capacity is no less.				Y	Y
39	Interface and Control Test (Refer TDS F39): A functional system test with other interfaced fire systems is to be done in accordance with AS1851 scheduled using F39: Interface Testing of Fire Protection Systems. Refer Special Comments.				Y	Y

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Activity						
40	Batteries: Check battery condition and undertake a discharge test in accordance with AS1851.				Y	Y
41	Check and liaise with the Site Rep. whether any structural or layout changes or any occupancy changes have occurred likely to impact on the system and advise the Facility Manager if there are concerns.				Y	Y
42	Record the results in the log book.		Y		Y	Y

### Special Comments and Technical Data

B SERVICE MONTHLY D SERVICE ANNUAL E SERVICE 5 YEARLY TESTING & SERVICING TO BE DONE IN ACCORDANCE WITH AS1851 & THE MANUFACTURER'S RECOMMENDATIONS.  
 APPLICABLE LEGISLATION: MINISTER'S SPEC. SA 76 (2015) & SA WH&S ACT.  
 OBTAIN SITE APPROVAL PRIOR TO TESTING OF THE SYSTEMS.  
 THE ANNUAL INTERFACE TESTING (ACTIVITIES 19 AND 39) ARE TO BE DONE UNDER TDS F39 WHICH HAS COMMENTS ON THE SCHEDULING ARRANGEMENTS. ENSURE THERE IS NO DUPLICATION OF SERVICES.  
 REFER TO F16 FOR FIRE DETECTION AND ALARM SYSTEMS.

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