

# Fire, Emergency and Security Systems (Security pathway)

## Mock Practical Skills Test – Assessment Form

### Task Two: Installing additions

#### Specification for additions

Correctly identify device type and complete 'as fitted specification' before proceeding to carry out installation work following specification supplied.

System	Component	Location	Type Required
CCTV	Additional IP Bullet camera providing analytic recording of view	Centrally mounted above rear fire door	Please state
Intruder Alarm	External warning device SAB	Centrally mounted above Door Entry Station	Pyronix DeltaBell SAB
Intruder Alarm	Wireless PET DT	Rear Left-Hand Corner of booth	Pyronix Wireless PET DT
Intruder Alarm	Grade 3 detector with dual detection technology providing confirmed alarm from single device	Front wall of bay covering general area	Please state
Door Entry	Paxton NET2 ACU Maglock controlled by PTE & emergency break glass unit Door Entry station providing audio and door release form handset	Prefixed components with cable management in place	Paxton NET2 ACU Door Entry Station with Handset

Ensure programming is as per the specification for all systems.

**Task Three: Commissioning**
**CCTV Commissioning Checklist**

Installed and commissioned by:				Date:	
Site address:					
<b>Mains power</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Continuity of supply satisfactory					
Double pole isolation					
Non-switched spurs fitted and correctly fused					
Suitable cable installed and protected against mechanical damage where necessary					
<b>System Wiring</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Cables of a suitable type and conductor size					
Cables adequately clipped and supported					
Cables suitably terminated					
Cables protected from mechanical damage where appropriate					
<b>Control equipment</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Location appropriate and to specification					
Suitable for the environment					
Securely fixed to manufacturer's instructions					
<b>System components</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Location appropriate and to specification					
Suitable for the environment					
Securely fixed to manufacturer's instructions					
<b>Maintenance</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Are all components readily accessible for maintenance purposes					

Is special access equipment required				
<b>System Components</b>				
<b>Location (as per spec)</b>	<b>Device Type and Model Number</b>	<b>Input Voltage</b>	<b>Cable Circuit Resistance</b>	
<b>System Operation</b>		<b>Checked satisfactory</b>		
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>
The specification has been adhered to				
Clear images from all cameras				
Camera type/lens correct for each position				
Supplementary lighting satisfactory				
Recorded images and time lapse satisfactory				
Cameras overlook public areas				
Camera field of view is appropriate				
Data protection considered / incorporated				
<b>Power Supplies</b>				
<b>Location (as per spec) and Type</b>		<b>Output Voltage</b>	<b>Quiescent Current</b>	

## Access Control Commissioning Checklist

Installed and commissioned by:				Date:	
Site address:					
<b>Mains power</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Continuity of supply satisfactory					
Double pole isolation					
Non-switched spurs fitted and correctly fused					
Suitable cable installed and protected against mechanical damage where necessary					
<b>Standby power</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Battery capacity suitable for application					
<b>System Wiring</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Cables of a suitable type and conductor size					
Cables adequately clipped and supported					
Cables suitably terminated					
Cables protected from mechanical damage where appropriate					
<b>Control equipment</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Location appropriate and to specification					
Controls secure from unauthorised access					
Circuit cable segregated from mains feed					
<b>System components</b>	<b>Checked satisfactory</b>				
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Located as per specification					
Suitable for the environment					
Securely fixed to manufacturer's instructions					

Maintenance	Checked satisfactory			
	Yes	No	N/A	Comments
Are all components readily accessible for maintenance purposes				
Is special access equipment required				
Are any special materials or equipment required for maintenance purposes				

System Components			
Location	Device Type and Model Number	Input Voltage	Cable Circuit Resistance

	Cable Type	No. of Cores
Controller to concierge		
Entry panels to Controller/PSU		
Handsets and/or concierge to controller/PSU		
Push/Emergency release to lock/PSU		
Confirm cables tagged or colour codes recorded	Yes / No	

System Operation	Checked satisfactory			
	Yes	No	N/A	Comments
Confirm all doors / barriers operate freely				
Confirm correct operation of all locks				

Confirm correct operation in mains failure				
Verify PIN or fob access where applicable				
Has disability discrimination been considered throughout				
Confirm operation of entry panels/handsets				
Confirm correct operation of all push/emergency release units				
Confirm video is satisfactory				
Confirm audio volume and intelligibility is satisfactory				

## Power Supplies

Location and Type	Output Voltage	Quiescent Current

Intruder Alarm Commissioning Checklist					
Installed and commissioned by:				Date:	
Site address:					
<b>Mains power</b>	Checked satisfactory				
	Yes	No	N/A	Comments	
Continuity of supply satisfactory					
Double pole isolation					
Non-switched spurs fitted and correctly fused					
Suitable cable installed and protected against mechanical damage where necessary					
<b>Standby power</b>	Checked satisfactory				
	Yes	No	N/A	Comments	
Battery capacity suitable for application					
Charger rating suitable for application					
Charger voltage and battery load recorded					
Batteries labelled and dated					
<b>System Wiring</b>	Checked satisfactory				
	Yes	No	N/A	Comments	
Cables of a suitable type and conductor size					
Cables adequately clipped and supported					
Cables suitably terminated					
Cables protected from mechanical damage where appropriate					
<b>Control equipment</b>	Checked satisfactory				
	Yes	No	N/A	Comments	
Location appropriate and to specification					
Suitable for the environment					
Circuit cable segregated from mains feed					
<b>System components</b>	Checked satisfactory				
	Yes	No	N/A	Comments	
Location appropriate and to specification					

Suitable for the environment				
Securely fixed to manufacturer's instructions				
<b>Maintenance</b>	<b>Checked satisfactory</b>			
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>
Are all components readily accessible for maintenance purposes				
Is special access equipment required				
Are any special materials or equipment required for maintenance purposes				
<b>System documentation</b>	<b>Checked satisfactory</b>			
	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>
System log book available				

<b>Sensors</b>						
<b>Circuit</b>	<b>Device Type</b>	<b>Area of Installation</b>	<b>Circuit Resistance</b>	<b>Voltage at Device</b>	<b>Current Drawn</b>	<b>Resistor Value Fitted</b>
<b>System Operation</b>		<b>Checked satisfactory</b>				
		<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Comments</b>	
Device location and coverage appropriate to specification						
Correct operation of all detectors						
Correct operation of all system tampers						
Entry time			Exit time			
Warning device delay			Warning device duration			
Final set method			Unset method			



Battery capacity		Battery date recorded	
Quiescent load current		Alarm load current	
Warning device location		Warning device type	
Warning device voltage		Warning device current	