Fire Emergency and Security Systems (Security tasks)

Mock Practical Assessment – 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
CCTV	Additional IP Bullet camera providing analytic recording of view	Centrally mounted above door entry station	Please state
Intruder Alarm	External warning device SAB	Centrally mounted above Door Entry Station	Pyronix DeltaBell SAB
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 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
Door Entry	Maglock controlled by PTE and emergency break glass unit	Prefixed components with cable management in place	Electronic maglock green dome PTE and emergency break glass unit

Ensure programing is as per the specification for all systems.

Task Three: Commissioning

CCTV Commissioning Checklist

Installed and commissioned by:		Date:	
Site address:			

Mains power	**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				

System Wiring	**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				

Control equipment	**Checked satisfactory**			
	Yes	**No**	**N/A**	**Comments**
Location appropriate and to specification				
Suitable for the environment				
Securely fixed to manufacturer's instructions				

System components	**Checked satisfactory**			
	Yes	**No**	**N/A**	**Comments**
Location appropriate and to 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				

System Components

Location (as per spec)	Device Type and Model Number	Input Voltage	Cable Circuit Resistance

System Operation	Checked satisfactory			
	Yes	No	N/A	Comments
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				

Power Supplies

Location (as per spec) and Type	Output Voltage	Quiescent Current

Access Control Commissioning Checklist

Installed and commissioned by:		Date:	
Site address:			

Mains power	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				

Standby power	Checked satisfactory			
	Yes	No	N/A	Comments
Battery capacity suitable for application				

System Wiring	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				

Control equipment	Checked satisfactory			
	Yes	No	N/A	Comments
Location appropriate and to specification				
Controls secure from unauthorised access				
Circuit cable segregated from mains feed				

System components	Checked satisfactory			
	Yes	No	N/A	Comments
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		

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:			

Mains power	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				

Standby power	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				

System Wiring	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				

Control equipment	Checked satisfactory			
	Yes	No	N/A	Comments
Location appropriate and to specification				
Suitable for the environment				
Circuit cable segregated from mains feed				

System components	Checked satisfactory			
	Yes	No	N/A	Comments
Location appropriate and to 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 documentation	**Checked satisfactory**			
	Yes	**No**	**N/A**	**Comments**
System log book available				

Sensors

Circuit	Device Type	Area of Installation	Circuit Resistance	Voltage at Device	Current Drawn	Resistor Value Fitted

System Operation	**Checked satisfactory**			
	Yes	**No**	**N/A**	**Comments**
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	