C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.4.b 4 O'Clock (PEER 9) Gate Tests from MCR

C-A-OPM Procedures in which this Attachment is used.		
4.120.4		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Collider-Accelerator Department Chairman Date

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____ Checksum: _____

Division B Software Filename and Checksum: Title:_____ Checksum: _____

Initial testing complete:

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: _____/_____/_____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ Life Number:_____

Test Team Leader's Name (Sign): _____ Date: _____/_____/_____

Test results reviewed by:

Safety Section Head's Name (Print):_____ Life Number: _____

Safety Section Head's Name (Sign):_____ Date: _____/_____/_____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print):_____ Life Number: _____

RSC Member's Name (Sign):_____ Date: _____/_____/_____

1.1 **CONDUCT** Visual check on **Peer 9** gates following Table-1, below

Gate	Micro Switch		Elec Wiring	Gate Box	Lights	Gate Functions			Verify all x's Corr.	Inspn O.K. Init.
	Align	Opern				Open	Self-Closing	Latch		
3GI1I									□	
3GI1O									□	
3EL1									□	
4MD1									□	
4GE1									□	
4MD2									□	
4GE2									□	
4GI1I									□	
4GI1O									□	
4EL1									□	
4GE3									□	
4ED1									□	
5GS1I									□	
5GS1O									□	

Legend: Tick = O.K. x = Problem N/A = Not Applicable

Table 1: Summary of Physical Inspection of Peer 9 Gates

1.2 Test of INNER GATE at 3GI1

□	**VERIFY**	**INNER** Gate at **3GI1** has been inspected	
□	**VERIFY**	**PEER 11** is in **Restricted Access**	**MODE 8**
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The warning lights and LED message: **Stop Call MCR for Access X-7400 Stop** on both sides of the gate are	**ON**
□	**VERIFY**	The gate box **Controlled Access** light is	**ON**
□	**VERIFY**	Attempt to open **3GI1** with **Simultaneous Release** and **#10 CA Key**	**FAIL**
□	**VERIFY**	Attempt to open **3GI1** with **Blue card**	**FAIL**
□	**VERIFY**	Attempt to open **3GI1** with **Expt._____ card**	**FAIL**
□	**VERIFY**	**During** attempt with **Expt. Card** Reader **light** is	**Red**
	OPEN	Gate **3GI1** with **Simultaneous Release** and **#11 RF SweepKey**	
□	**VERIFY**	Simultaneous Release **Buzzer**	**SOUNDS**
□	**VERIFY**	Gate **3GI1** is	**OPEN**
□	**VERIFY**	**MCR** sees the gate is	**OPEN**

	SECURE	The Electric Strike micro switch	**MADE**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	The Electric Strike micro switch	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
□	**VERIFY**	The **4Z1** gate box Gate Reset light is	**OFF**
	RESET	The gate with **#11 RF** Sweep key at **3GI1** inner gate box	
□	**VERIFY**	MCR sees the gate is	**RESET**
□	**VERIFY**	The **4Z1** gate box Gate Reset light is	**ON**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
□	**VERIFY**	The **4Z1** gate box Gate Reset light is	**OFF**
	CLOSE	The gate	

□ **CHECK** for test acceptance of **INNER GATE** at **3GI1**

1.3 Test OUTER GATE at 3GI1:

	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The warning lights on **both sides** of the gate indicate:	
		CALL MCR FOR CROSSOVER AMBER	**ON**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	SECURE	The Electric Strike micro switch	**MADE**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	The Electric Strike micro switch	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**

□ **CHECK** for test acceptance of **OUTER GATE** at **3GI1**

1.4 Test ESCAPE DOOR at 3EL1:

□	**VERIFY**	**Door** has been inspected	
□	**VERIFY**	The door cannot be opened from	**OUTSIDE**
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
	OPEN	The door	
□	**VERIFY**	MCR sees the door is	**OPEN**
	SECURE	The Security Bar micro switch	**MADE**
	HOLD	Both of the door micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A door micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the door micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B door micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	HOLD	Both of the door micro switches	**MADE**
□	**VERIFY**	MCR sees the door is	**CLOSED**
	RELEASE	The Security Bar micro switch	
□	**VERIFY**	MCR sees the door is	**OPEN**
	CLOSE	The door and latch the Security Bar	
□	**VERIFY**	The **3EL1** Door Reset light is	**OFF**
	RESET	The Door with **#11 RC** Sweep key at **3EL1** gate box	
□	**VERIFY**	MCR sees the **3EL1** door is	**RESET**
□	**VERIFY**	The **3EL1** Door Reset light is	**ON**
	OPEN	The door	
□	**VERIFY**	MCR sees the door is	**OPEN**
□	**VERIFY**	The **3EL1** gate box Gate Reset light is	**OFF**
	CLOSE	The door and latch the **Security Bar**	
□	**VERIFY**	MCR sees the door is	**CLOSED**
□	**VERIFY**	The **3EL1** gate box Gate Reset light is	**OFF**

□ **CHECK** for test acceptance of **ESCAPE DOOR** at **3EL1**

1.5 Test of TRENCH GATE at 4MD1

□	**VERIFY**	Gate has been inspected	
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	HOLD	Both gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
□	**VERIFY**	The gate box Gate Reset light is	**OFF**
	RESET	The gate with **#11 RF** Sweep key	
□	**VERIFY**	MCR sees the gate is	**RESET**

□	**VERIFY**	The gate box Gate Reset light is	**ON**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
□	**VERIFY**	The gate box Gate Reset light is	**OFF**
	CLOSE	The gate	

□ **CHECK** for test acceptance of **TRENCH GATE** at **4MD1**

1.6 Test of ENTRY GATE at 4GE1

□	**VERIFY**	**INNER** Gate at **4GE1** has been inspected	
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The warning lights on inside of the gate is	**ON**
□	**VERIFY**	The **Exterior** gate box **Controlled Access** light is	**ON**
	OPEN	Gate **4GE1** with **Simultaneous Release** and **#10 RF Sweep Key**	
□	**VERIFY**	Simultaneous Release **Buzzer**	**SOUNDS**
□	**VERIFY**	Gate **4GE1** is	**OPEN**
□	**VERIFY**	MCR sees the gate is	**OPEN**
	SECURE	The Electric Strike micro switch	**MADE**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	The Electric Strike micro switch	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RESET	The gate with **#11 RF Sweep** key at the **interior** gate box	
□	**VERIFY**	MCR sees the gate is	**RESET**
□	**VERIFY**	The **4GE1** gate box Gate **Reset** light is	**ON**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
□	**VERIFY**	The **4GE1** gate box Gate **Reset** light is	**OFF**
	CLOSE	The gate	
	PLACE	**PEER 9** in **Restricted Access (Mode 8)**	
□	**VERIFY**	**PEER 9** is in **Restricted Access**	**MODE 8**
□	**VERIFY**	The **Exterior** gate box **Restricted Access** light is	**ON**
□	**VERIFY**	The warning light on inside of the gate is	**OFF**
□	**VERIFY**	Attempt to **open** gate **4GE1** with **S** key is	**SUCCESSFUL**
□	**VERIFY**	Attempt to **open** gate **4GE1** with **#10** key is	**SUCCESSFUL**

□	**VERIFY**	Attempt to open **3GI1** with **Blue card**	**SUCCESSFUL**
□	**VERIFY**	Attempt to open **3GI1** with **Expt._____ card**	**FAIL**
□	**VERIFY**	**During** attempt with **Expt. Card** Reader **light** is	**RED**
	CLOSE	Gate **4GE1**	
	PLACE	**PEER 9** in **Safe Access (Mode 2)**	
□	**VERIFY**	**PEER 9** is in **Safe Access**	**MODE 2**
□	**VERIFY**	The **Exterior** gate box **Controlled Access** light is	**ON**
□	**VERIFY**	The warning light on inside of the gate is	**ON**
□	**VERIFY**	Attempt to open gate **4GE1** with **Simultaneous Release** and **S Key**	**FAIL**
	OPEN	Gate **4GE1** with **Simultaneous Release** and **#11 RF Sweep Key**	
□	**VERIFY**	Gate **4GE1** is	**OPEN**
	CLOSE	Gate **4GE1**	

□ **CHECK** for test acceptance of **ENTRY GATE** at **4GE1**

1.7 Test of TRENCH GATE at 4MD2

□	**VERIFY**	Gate has been inspected	
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	HOLD	Both gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
□	**VERIFY**	The gate box Gate Reset light is	**OFF**
	RESET	The gate with **#11 RF Sweep** key	
□	**VERIFY**	MCR sees the gate is	**RESET**
□	**VERIFY**	The gate box Gate Reset light is	**ON**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
□	**VERIFY**	The gate box Gate Reset light is	**OFF**
	CLOSE	The gate	

□ **CHECK** for test acceptance of **TRENCH GATE** at **4MD2**

1.8 Test of ENTRY GATE at 4GE2 (Magnalock type)

□	**VERIFY**	**ENTRY** Gate at **4GE2** has been inspected	
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The **LED** message: **Stop Call MCR for Access X-7400 Stop** on **inside** of the gate is	**ON**
□	**VERIFY**	The **Exterior** gate box **Controlled Access** light is	**ON**
	OPEN	Gate **4GE2** with **Simultaneous Release** and **#10 RF CA Key**	
□	**VERIFY**	Simultaneous Release **Buzzer** □ and **Light** □	**ON**
□	**VERIFY**	Gate **4GE2** is	**OPEN**
□	**VERIFY**	MCR sees the gate is	**OPEN**
	SECURE	The Magnalock (with Soft Iron piece)	**MADE**
	HOLD	Both of the gate limit switches (with magnet pieces)	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A limit switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the gate limit switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B limit switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	HOLD	Both of the gate limit switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	The Magnalock	
□	**VERIFY**	MCR sees the **4GE2** gate **Div A** is	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate 4GE2: **Div A** □ **and Div B** □ are	**CLOSED**
□	**VERIFY**	The gate box Gate Reset light is	**OFF**
	RESET	The gate with **#11 RF** Sweep key at **4GE2** gate box	
□	**VERIFY**	MCR sees the gate is	**RESET**
□	**VERIFY**	The **4GE2** gate box Gate Reset light is	**ON**
	OPEN	The gate with Touch Sense Bar (TSB)	
□	**VERIFY**	MCR sees the gate is	**OPEN**
□	**VERIFY**	The **4GE2** gate box Gate Reset light is	**OFF**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RESET	The gate from MCR	
□	**VERIFY**	MCR sees the gate is	**RESET**
□	**VERIFY**	The **4GE2** gate box Gate Reset light is	**OFF**
	OPEN	The gate with Touch Sense Bar (TSB)	
□	**VERIFY**	MCR sees the gate is	**OPEN**
□	**VERIFY**	The **4GE2** gate box Gate Reset light is	**OFF**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	OPEN	Gate 4GE2 and hold open	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	SECURE	Magnalock and gate switches	
□	**VERIFY**	Magnalock: **Div A** □ **and Div B** □ **switches**	**MADE**
□	**VERIFY**	MCR sees gate **4GE2** is	**CLOSED**
□	**VERIFY**	Local gate-reset light (**GRL)** switch is	**OPEN**
□	**VERIFY**	Attempt to reset **4GE2** from MCR is	**SUCCESSFUL**

□	**VERIFY**	MCR sees gate **4GE2** is	**RESET**
□	**VERIFY**	The **4GE2** gate-box Gate Reset light is	**OFF**
	RELEASE	Gate Limit switches: **Div A and Div B**	
□	**VERIFY**	MCR sees gate 4GE2: **Div A □ and Div B □** are	**OPEN**
	SECURE	Gate Limit switches: **Div A and Div B**	
□	**VERIFY**	MCR sees gate 4GE2: **Div A □ and Div B □** are	**CLOSED**
□	**VERIFY**	**GRL** switch is	**OPEN**
□	**VERIFY**	Attempt to reset **4GE2** from **gate-box** is	**SUCCESSFUL**
□	**VERIFY**	MCR sees gate **4GE2** is	**RESET**
□	**VERIFY**	The **4GE2** gate box **GRL** is	**OFF**
	SECURE	**GRL** switch (with magnet piece)	
□	**VERIFY**	**GRL** switch is	**MADE**
□	**VERIFY**	The **4GE2** gate box **GRL** is still	**OFF**
□	**VERIFY**	MCR sees gate **4GE2** is still	**RESET**
	RESET	**4GE2** from gate-box	
□	**VERIFY**	The **4GE2** gate box **GRL** is	**ON**
□	**VERIFY**	MCR sees gate **4GE2** is still	**RESET**
	RELEASE	Gate Limit switches: **Div A and Div B**	
□	**VERIFY**	MCR sees gate 4GE2: **Div A □ and Div B □** are	**OPEN**
	SECURE	Gate Limit switches: **Div A and Div B**	
□	**VERIFY**	MCR sees gate 4GE2: **Div A □ and Div B □** are	**CLOSED**
□	**VERIFY**	**GRL** switch is	**MADE**
□	**VERIFY**	Attempt to reset **4GE2** from **gate-box** is	**SUCCESSFUL**
□	**VERIFY**	MCR sees gate **4GE2** is	**RESET**
□	**VERIFY**	The **4GE2** gate box **GRL** is	**ON**
	RELEASE	Gate Limit switches: **Div A and Div B**	
□	**VERIFY**	MCR sees gate 4GE2: **Div A □ and Div B □** are	**OPEN**
	RELEASE	**GRL** switch	
□	**VERIFY**	**GRL** switch is	**OPEN**
	RELEASE	Magnalock	
□	**VERIFY**	Magnalock is	**RELEASED**
	CLOSE	**Gate 4GE2**	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	PLACE	**PEER 9** in **Restricted Access (Mode 8)**	
□	**VERIFY**	**PEER 9** is in **Restricted Access**	**MODE 8**
□	**VERIFY**	The **Exterior** gate box **Restricted Access** light is	**ON**
□	**VERIFY**	The LED message: **Access Permitted** on inside of the gate is	**ON**
□	**VERIFY**	Attempt to **open** Gate **4GE2** with **S** key is	**SUCCESSFUL**
□	**VERIFY**	Attempt to **open** Gate **4GE2** with **#10 RF CA** key is	**SUCCESSFUL**
□	**VERIFY**	Attempt to open **4GE2** with **Blue card** is	**SUCCESSFUL**

□	**VERIFY**	Attempt to open **4GE2** with **Expt._____ cards**	**FAIL**
□	**VERIFY**	**During** attempt with **Expt. Card** Reader **light** is	**RED**
	PLACE	**PEER 9** in **Safe Access (Mode 2)**	
□	**VERIFY**	**PEER 9** is in **Safe Access**	**MODE 2**
□	**VERIFY**	The **Exterior** gate box **Controlled Access** light is	**ON**
□	**VERIFY**	The LED message: **Stop Call MCR for Access X-7400 Stop** on inside of the gate is	**ON**
	OPEN	Gate **4GE2** with **Simultaneous Release** and **S Key**	
□	**VERIFY**	Attempt to open gate **4GE2** with **Simultaneous Release** and **S Key**	**FAIL**
	OPEN	Gate **4GE2** with **Simultaneous Release** and **#10 RF CA Key**	
□	**VERIFY**	Gate **4GE2** is	**OPEN**
	CLOSE	Gate **4GE2**	
	PRESS	**Outside Emergency Release Button (OERB) to open gate 4GE2**	
□	**VERIFY**	MCR sees gate 4GE2 **Div A** is	**OPEN**
	OPEN	Gate 4GE2	
□	**VERIFY**	MCR sees gate 4GE2 **Div A** □ and **B** □	**OPEN**
	CLOSE	Gate **4GE2**	
□	**VERIFY**	MCR sees the gate 4GE2 **Div A** is	**OPEN**
	RESET	**OERB**	
□	**VERIFY**	MCR sees the gate 4GE2 **Div A** □ and **B** □	**CLOSED**
	PRESS	**Inside Emergency Release Button (IERB) to open gate 4GE2**	
□	**VERIFY**	MCR sees gate 4GE2 **Div A** is	**OPEN**
	OPEN	Gate 4GE2	
□	**VERIFY**	MCR sees gate 4GE2 **Div A** □ and **B** □	**OPEN**
	CLOSE	Gate **4GE2**	
□	**VERIFY**	MCR sees the gate 4GE2 **Div A** is	**OPEN**
	RESET	**IERB**	
□	**VERIFY**	MCR sees the gate 4GE2 **Div A** □ and **B** □	**CLOSED**

□ **CHECK** for test acceptance of **ENTRY GATE** at **4GE2**

1.9 Test of INNER GATE at 4GI1

□	**VERIFY**	**INNER** Gate at **4GI1** has been inspected	
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The warning lights and LED message: **Stop Call MCR for Access X-7400 Stop** on both sides of the gate are	**ON**
□	**VERIFY**	The **4Z2** gate box **Controlled Access** light is	**ON**
□	**VERIFY**	Attempt to open **4GI1**from **4Z2** with **Simultaneous Release and S Key**	**FAIL**
□	**VERIFY**	Attempt to open **4GI1** with **Blue card**	**FAIL**
□	**VERIFY**	Attempt to open **4GI1** with **Expt._____ card**	**FAIL**
□	**VERIFY**	**During** attempt with **Expt. Card** Reader **light** is	**RED**
	OPEN	Gate **4GI1** from **4Z2** with **Simultaneous Release**	

		and **#11 RF SweepKey**	
□	**VERIFY**	Simultaneous Release **Buzzer**	**SOUNDS**
□	**VERIFY**	Gate **4GI1** is	**OPEN**
□	**VERIFY**	MCR sees the gate is	**OPEN**
	SECURE	The Electric Strike micro switch	**MADE**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	The Electric Strike micro switch	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
□	**VERIFY**	The **4Z1** gate box Gate Reset light is	**OFF**
	RESET	The gate with **#11 RF** Sweep key at **4Z1 inner** gate box	
□	**VERIFY**	MCR sees the gate is	**RESET**
□	**VERIFY**	The **4Z1** gate box Gate Reset light is	**ON**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
□	**VERIFY**	The **4Z1** gate box Gate Reset light is	**OFF**
	CLOSE	The gate	
□	**VERIFY**	The **4Z2** gate box Gate Reset light is	**OFF**
	RESET	The gate with **#11 RF** Sweep key at **4Z2 outer** gate box	
□	**VERIFY**	MCR sees the gate is	**RESET**
□	**VERIFY**	The **4Z2** gate box Gate Reset light is	**ON**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
□	**VERIFY**	The **4Z2** gate box Gate Reset light is	**OFF**
	CLOSE	The gate	
	PLACE	**PEER 9** in **Restricted Access (Mode 8)**	
□	**VERIFY**	**PEER 9** is in **Restricted Access**	**MODE 8**
□	**VERIFY**	The **4Z2** gate box **Restricted Access** light is	**ON**
□	**VERIFY**	The LED message: **Access Permitted** is	**ON**
□	**VERIFY**	Attempt to **open** Gate **4GI1** from **4Z2** with **S** key is	**SUCCESSFUL**
□	**VERIFY**	Attempt to **open** Gate **4GI1** with **#11 RF Sweep** key is	**SUCCESSFUL**
□	**VERIFY**	Attempt to **open** Gate **4GI1** with **Blue Card** is	**SUCCESSFUL**
	CLOSE	Gate **4GI1**	
	PLACE	**PEER 9** in **Safe Access (Mode 2)**	
□	**VERIFY**	**PEER 9** is in **Safe Access**	**MODE 2**
□	**VERIFY**	The **4Z2** gate box **Controlled Access** light is	**ON**
□	**VERIFY**	The warning lights and LED message: **Stop Call MCR for Access X-7400 Stop** on both sides of the gate are	**ON**
	OPEN	Gate **4GI1** with **Simultaneous Release** and **S Key**	

□	**VERIFY**	Attempt to open gate **4GI1** with **Simultaneous Release** and **S Key**	**FAIL**
□	**VERIFY**	Attempt to **open** Gate **4GI1** with **Simultaneous Release** and **#11 RF Sweep** key is	**SUCCESSFUL**
	CLOSE	Gate **4GI1**	
□	**CHECK** for test acceptance of **INNER GATE** at **4GI1**		

1.10 Test OUTER GATE at 4GI1:

	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The warning light on both sides of the gate are	**ON**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	SECURE	The Electric Strike micro switch	**MADE**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	The Electric Strike micro switch	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
□	**CHECK** for test acceptance of **OUTER GATE** at **4GI1**		

1.11 Test ESCAPE DOOR at 4EL1:

□	**VERIFY**	**Door** has been inspected	
□	**VERIFY**	Door **cannot** be **opened** from	**OUTSIDE**
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The door cannot be opened from the outside	
	OPEN	The door	
□	**VERIFY**	MCR sees the door is	**OPEN**
	SECURE	The Security Bar micro switch	**MADE**
	HOLD	Both of the door micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A door micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the door micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B door micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	HOLD	Both of the door micro switches	**MADE**
□	**VERIFY**	MCR sees the door is	**CLOSED**
	RELEASE	The Security Bar micro switch	
□	**VERIFY**	MCR sees the door is	**OPEN**
	CLOSE	The door and latch the Security Bar	
□	**VERIFY**	MCR sees the **4EL1** door is	**CLOSED**
□	**VERIFY**	The **4EL1** Door Reset light is	**OFF**
	RESET	The Door with **#15 RC Sweep** key at **4EL1** gate box	
□	**VERIFY**	MCR sees the **4EL1** door is	**RESET**

□	**VERIFY**	The **4EL1** Door Reset light is	**ON**
	OPEN	The door	
□	**VERIFY**	MCR sees the door is	**OPEN**
□	**VERIFY**	The **4EL1** gate box Gate Reset light is	**OFF**
	CLOSE	The door and latch the Security Bar	

□ **CHECK** for test acceptance of **ESCAPE DOOR** at **4EL1**

1.12 Test of ENTRY GATE at 4GE3

□	**VERIFY**	**ENTRY** Gate at **4GE3** has been inspected	
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The warning lights and LED message: **Stop Call MCR for Access X-7400 Stop** on inside of the gate is	**ON**
□	**VERIFY**	The **Exterior** gate box **Controlled Access** light is	**ON**
	OPEN	Gate **4GE3** with **Simultaneous Release** and **#14 RC CA Key**	
□	**VERIFY**	Simultaneous Release **Buzzer**	**SOUNDS**
□	**VERIFY**	Gate **4GE3** is	**OPEN**
□	**VERIFY**	MCR sees the gate is	**OPEN**
	SECURE	The Electric Strike micro switch	**MADE**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div A micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	Div B micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	HOLD	Both of the gate micro switches	**MADE**
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	RELEASE	The Electric Strike micro switch	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**
	PLACE	**PEER 9** in **Restricted Access (Mode 8)**	
□	**VERIFY**	**PEER 9** is in **Restricted Access**	**MODE 8**
□	**VERIFY**	The **Exterior** gate box **Restricted Access** light is	**ON**
□	**VERIFY**	The warning lights and LED message: **Access Permitted** is	**ON**
□	**VERIFY**	Attempt to **open** gate **4GE3** with **S** key is	**SUCCESSFUL**
□	**VERIFY**	Attempt to **open** Gate **4GE3** with **#14 RC CA** key is	**SUCCESSFUL**
□	**VERIFY**	Attempt to open **4GE3** with **Blue card** is	**SUCCESSFUL**
□	**VERIFY**	Attempt to open **4GE3** with **Expt._____ card**	**FAIL**
□	**VERIFY**	**During** attempt with **Expt. Card** Reader **light** is	**RED**
	PLACE	**PEER 9** in **Safe Access (Mode 2)**	
□	**VERIFY**	**PEER 9** is in **Safe Access**	**MODE 2**
□	**VERIFY**	The **Exterior** gate box **Controlled Access** light is	**ON**
□	**VERIFY**	The warning lights and LED message: **Stop Call MCR for Access X-7400 Stop** on inside of the gate is	**ON**
	OPEN	Gate **4GE3** with **Simultaneous Release** and **S Key**	
□	**VERIFY**	Attempt to open gate **4GE3** with **Simultaneous**	

		Release and **S Key**	**FAIL**
	OPEN	Gate **4GE3** with **Simultaneous Release** and **#14 RC CA Key**	
□	**VERIFY**	Gate **4GE3** is	**OPEN**
	CLOSE	Gate **4GE3**	

□ **CHECK** for test acceptance of **ENTRY GATE** at **4GE3**

1.13 Test of EXIT DOOR 4ED1

□	**VERIFY**	Gate has been inspected	
□	**VERIFY**	The door cannot be opened from	**OUTSIDE**
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The warning light **inside** the gate indicates:	
		CALL MCR FOR EXIT AMBER	**ON**
	OPEN	The door	
□	**VERIFY**	MCR sees the door is	**OPEN**
	HOLD	Both of the door micro switches	**MADE**
□	**VERIFY**	MCR sees the door is	**CLOSED**
	RELEASE	Div A door micro switch	
□	**VERIFY**	MCR sees **Div A**	**OPEN**
	HOLD	Both of the door micro switches	**MADE**
□	**VERIFY**	MCR sees the door is	**CLOSED**
	RELEASE	Div B door micro switch	
□	**VERIFY**	MCR sees **Div B**	**OPEN**
	CLOSE	The door	
□	**VERIFY**	MCR sees the door is	**CLOSED**
□	**VERIFY**	The Door Reset light is	**OFF**
	RESET	The Door with **#15 RC Sweep key** at the gate box	
□	**VERIFY**	MCR sees the door is	**RESET**
□	**VERIFY**	The Door Reset light is	**ON**
	OPEN	The door	
□	**VERIFY**	MCR sees the door is	**OPEN**
□	**VERIFY**	The gate box Gate Reset light is	**OFF**
	CLOSE	The door	

□ **CHECK** for test acceptance of **EXIT DOOR** at **4ED1**

1.14 Test INNER GATE at 5GS1:

□	**VERIFY**	Gate has been inspected	
	PLACE	**PEER 7** in **Restricted Access (Mode 8)**	
□	**VERIFY**	**PEER 7** is in **Restricted Access**	**MODE 8**
	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The warning lights and LED message: **Stop Call MCR for Access X-7400 Stop** on both sides of the gate are	**OFF**
	OPEN	The gate	
□	**VERIFY**	MCR sees the gate is	**OPEN**
	CLOSE	The gate	
□	**VERIFY**	MCR sees the gate is	**CLOSED**

□ **CHECK** for test acceptance of **INNER GATE** at **5GS1**

1.15 Test OUTER GATE at 5GS1:

	PLACE	**PEER 9** in **Controlled Access (MODE 16)**	
□	**VERIFY**	**PEER 9** is in **Controlled Access**	**MODE 16**
□	**VERIFY**	The warning lights on both sides of the gate indicate:	

		CALL MCR FOR CROSSOVER	**AMBER**	**OFF**
	OPEN	The gate		
□	**VERIFY**	MCR sees the gate is		**OPEN**
	CLOSE	The gate		
□	**VERIFY**	MCR sees the gate is		**CLOSED**

□ **CHECK** for test acceptance of **OUTER GATE** at **5GS1**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: _____/____/_____

TTL: Sign for completion of final testing: _____

Date: _____/_____/_____