

<b>Title:</b> Vehicle Gate
<b>Objective:</b> Verify device is installed using acceptable standards and practices, communicates properly with the Access Control System (ACS), and provides proper protection of assets and meets or exceeds the contract performance specification.
<b>Applicability:</b> Gates and site access. Access control systems.
<b>Notes:</b> <ol style="list-style-type: none"> <li>These procedures are based on a system consisting of a sliding vehicle gate with entry reader, safety sensor loop, and exit sensor loop.</li> <li>Assumes a single credential required for entry (i.e. card only).</li> <li>Perform valid and invalid credential tests for entry.</li> <li>The cards to be prepared prior to testing and used for these tests are as follows:  Card 1: Authorized to access all areas.  Card 2: Time zone restricted card. Valid for only normal duty hours.  Card 3: Time zone restricted card. Valid for only non-duty hours.  Card 4: Enrolled user with expired access.  Card 5: Un-programmed card.  Card 6: Card with insufficient access permissions.</li> <li>For Valid Credential Tests (Step 1.0), use cards 1 and 2.</li> <li>For Invalid Credential Tests (Step 2.0), use cards 3, 4, 5, and 6.</li> <li>Real-time voice communications between the workstation operator and the field technician is required.</li> <li>Line Supervision, Power Fail, and Tamper Tests need to be performed in addition to these procedures.</li> <li>Perform these tests with the associated zone in the SECURE state.</li> </ol>

Steps	Actions	Expected Results
<b>1.0</b>	<b><u>Valid Credential Access Test</u></b>	
1.1	Approach gate with vehicle from the unsecure side.	Gate does not open. No alarm received.
1.2	Present a valid credential to the reader.	Transaction logged at workstation. Gate opens while sounding local area buzzer.
1.3	Drive through the gate.	After appropriate hold time, gate closes while sounding local area buzzer.
<b>2.0</b>	<b><u>Invalid Credential Access Test (see note 3)</u></b>	
2.1	Present Invalid credential to the reader.	An invalid credential alarm is received at the workstation. Gate does not open.
2.2	Clear the alarm at the workstation.	The active alarm queue is empty.
<b>3.0</b>	<b><u>Safety Loop Test</u></b>	
3.1	Present a valid credential to the reader.	Transaction logged at workstation. Gate opens while sounding local area buzzer.
3.2	Place a metal plate on the safety loop.	After appropriate hold time, gate does not close. Gate sounds local area buzzer. Blocked gate alarm received at workstation.
3.3	Remove the metal plate and clear the alarm at the workstation.	Gate closes while sounding local area buzzer. The active alarm queue is empty.

Steps	Actions	Expected Results
3.4	Present a valid credential to the reader.	Transaction logged at workstation. Gate opens while sounding local area buzzer.
3.5	Drive into the gate path and stop.	After appropriate hold time, gate does not close. Gate sounds local area buzzer. Blocked gate alarm received at workstation.
3.6	Move vehicle away from gate.	Gate does closes while sounding local area buzzer. Blocked gate alarm still active at workstation.
3.7	Clear the alarm at the workstation.	The active alarm queue is empty.
<b><u>4.0</u></b>	<b><u>Vehicle Block Test</u></b>	
4.1	Present a valid credential to the reader.	Transaction logged. Gate opens.
4.2	Stand Near the gate path, being careful not to block the path of the gate.	After appropriate hold time, gate does not close. Gate sounds local area buzzer. Blocked gate alarm received at workstation.
4.3	Walk away from gate.	Gate does closes while sounding local area buzzer. Blocked gate alarm still active at workstation.
4.4	Clear the alarm at the workstation.	The active alarm queue is empty.
<b><u>5.0</u></b>	<b><u>Exit Test</u></b>	
5.1	Drive vehicle to gate from the inside.	Gate opens while sounding local area buzzer. No alarm received.
5.2	Drive through the gate.	After appropriate hold time, gate closes while sounding local area buzzer.