



STUDY ON SAFE AND  
SECURE PARKING  
PLACES FOR TRUCKS  
MOVE/C1/2017-500



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# STANDARD FOR SAFE AND SECURE TRUCK PARKING AREAS TECHNICAL SPECIFICATIONS

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# 1. CRITERIA

	BRONZE LEVEL	SILVER LEVEL	GOLD LEVEL	PLATINUM LEVEL
PERIMETER	<p><b>B.1.</b> Visual deterrent to recognize the secure parking area</p> <p><b>B.2.</b> Lighting at 15 Lux</p> <p><b>B.3.</b> Vegetation trimmed, good visibility</p>	<p><b>S.1.</b> Physical deterrent to prevent unauthorised access (e.g. ditch, rocks, fence) or continuous video monitoring and recording by trained staff</p> <p><b>S.2.</b> Lighting at 20 Lux</p>	<p><b>G.1.</b> &gt; 1.8 m physical barrier (height)</p> <p><b>G.2.</b> Lighting at 25 Lux</p> <p><b>G.3.</b> CCTV covering perimeter</p> <p><b>G.4.</b> Measures to prevent unintentional damage to barriers</p> <p><b>G.5.</b> Clear zone of 1 meter between barrier and parking area</p>	<p><b>P.1.</b> Add-on for physical barrier: Deterrents to climb over</p>
PARKING AREA	<p><b>B.4.</b> Only freight vehicles and authorized vehicles allowed as indicated by signage</p> <p><b>B.5.</b> Physical or remote surveillance checks / inspection at minimum once in 24 h</p> <p><b>B.6.</b> Lanes must be lit at 15 Lux</p> <p><b>B.7.</b> Vegetation trimmed, good visibility</p>	<p><b>S.3.</b> Physical or remote surveillance checks/inspection at minimum twice in 24 h (one at daytime, one at night)</p> <p><b>S.4.</b> If pedestrian lanes exist, they must be lit at 15 Lux</p>	<p><b>G.6.</b> Onsite or remote staff contact can be contacted 24/7</p> <p><b>G.7.</b> Marked vehicle and pedestrian lanes</p>	<p><b>P.2.</b> Site manned or video-controlled 24/7</p>

		BRONZE LEVEL	SILVER LEVEL	GOLD LEVEL	PLATINUM LEVEL
ENTRY / EXIT		<p>B.8. Lighting at 25 Lux</p> <p>B.9. CCTV (good image quality)</p>	<p>S.5. Barriers</p> <p>S.6. CCTV (records of entering vehicles)</p>	<p>G.8. Barrier with under-climbing and over-climbing protection</p> <p>G.9. Intrusion prevention/detection, e.g. turnstile for pedestrians</p> <p>G.10. License plate recognition</p>	<p>P.3. Gates must be installed</p> <p>P.4. License plate must match ticket</p> <p>P.5. Real time monitoring of entry/exit, including pedestrian entry/exit</p> <p>P.6. If there is a gatehouse, it must be able to withstand an external attack (door closed)</p>
	STAFF PROCEDURES	<p>B.10. Fix unauthorized vehicles that they cannot drive away or removal of unauthorized vehicles if legally permitted</p> <p>B.11. Risk Assessment Plan in place</p>	<p>S.7. Staff trained by an accredited training provider is available 24/7 onsite or in a control centre</p> <p>S.8. Appointment of formally responsible person for staff procedures in case of incidents</p> <p>S.9. Documented staff training once a year in view of incident prevention</p> <p>S.10. Incident and crime reporting to staff and police must be enabled</p>	<p>G.11. All security staff must be certified guards under national/European legislation</p> <p>G.12. The formally responsible person for staff procedures will schedule compliance checks, communication, recertification</p> <p>G.13. A technical user manual must be used</p> <p>G.14. Alarm response procedures</p> <p>G.15. The parking area management system should be prepared for DATEX II data transfer</p> <p>G.16. Business Continuity Plan in place</p>	<p>P.7. Any remote staff also trained/certified</p> <p>P.8. Staff has personal communication system</p> <p>P.9. Security training of site manager</p> <p>P.10 Measures against power failure</p> <p>P.11. Local risk assessment once a year</p> <p>P.12. Pre-booking available. If the pre-booking is offered via an app or similar systems, data transmission must be real time.</p>

## 2. TECHNICAL SPECIFICATIONS

	BRONZE LEVEL	SILVER LEVEL	GOLD LEVEL	PLATINUM LEVEL
CCTV	<ul style="list-style-type: none"> <li>Minimum continuous recording (5 frames per second) based on motion detection with pre- and post-recording. HD resolution with 720 pixels.</li> <li>Period of transition for existing parking areas until the next audit (with 3fps).</li> <li>CCTV routine check ones a week (record kept 1 week).</li> <li>Functional check.</li> <li>CCTV Digital Recording: data / records kept for a minimum of 30 days.</li> </ul>	<ul style="list-style-type: none"> <li>CCTV Systems Routine check every 72h , reports kept.</li> <li>CCTV SLA in place or proof of own maintenance capabilities.</li> <li>With a suitable qualified personnel (e.g. qualified electrician).</li> </ul>	<ul style="list-style-type: none"> <li>CCTV systems routine check every 48 hours, reports kept.</li> <li>CCTV SLA in place with 1 service visit per year.</li> <li>Qualified specialized organization.</li> <li>The CCTV and access events are synchronized through a common noting software. Security CCTV events reviewed on the parking by web-based clients.</li> <li>In case of a network outage all CCTV and access events are locally stored and uploaded once the connections are re-established to the central registration equipment.</li> <li>CCTV SLA in place or proof of service work.</li> </ul>	<ul style="list-style-type: none"> <li>CCTV Images remotely controlled (24/7) by an external alarm monitoring station unless trained personnel is on site.</li> <li>CCTV SLA in place with 2 service visits per year.</li> <li>The CCTV system provides intrusion as well as overclimbing alarm using analytics and raise alarm by audio of Light signalling on the parking as well as in central monitoring facilities.</li> </ul>

	BRONZE LEVEL	SILVER LEVEL	GOLD LEVEL
PERIMETER	<p><b>B.2.</b> Lighting at 15 Lux Average value.</p> <p><b>B.3.</b> Vegetation trimmed, good visibility Vegetation trimmed, allowing good visibility and deters entry from climbing into the site.</p>	<p><b>S.1.</b> Physical deterrent to prevent unauthorized access (e.g. ditch, rocks, fence) or continuous video monitoring and recording by security staff. CCTV &gt; true day and night IP cameras.</p> <p><b>S.1.</b> Physical deterrent to prevent unauthorized access (e.g. ditch, rocks, fence) or continuous video monitoring and recording by security staff. CCTV day / night cameras used to overview 100% of the perimeter.</p> <p><b>S.1.</b> Physical deterrent to prevent unauthorized access (e.g. ditch, rocks, fence) or continuous video monitoring and recording by security staff. CCTV covering perimeter in full, no blank spots.</p> <p><b>S.2.</b> Lighting at 20 Lux Average value.</p>	<p><b>G.2.</b> Lighting at 25 Lux Average value.</p> <p><b>G.3.</b> CCTV covering perimeter CCTV covering perimeter in full, no blank spots.</p> <p><b>G.3.</b> CCTV covering perimeter Store CCTV recordings of the perimeter for at least 90 days.</p>

	BRONZE LEVEL	PLATINUM LEVEL
PARKING	<p><b>B.6.</b> Lanes must be lit at 15 Lux (If existing) marked vehicle and pedestrian lanes.</p>	<p><b>P.2.</b> Site manned or video-controlled 24/7 CCTV covering the parking area in full, no blank spots unless caused by temporary obstacles.</p>

BRONZE LEVEL		SILVER LEVEL	GOLD LEVEL	PLATINUM LEVEL
ENTRY/EXIT	<p><b>B.8.</b> Lighting at 25 Lux Average value.</p> <p><b>B.9.</b> CCTV (good image quality) Clear identification of vehicles , recognizing people. Minimum 704x576 pixels analogous (4 CIF).</p> <p><b>B.9.</b> CCTV (good image quality) CCTV (true day and night IP Cameras, license plates must be visible in detail).</p>	<p><b>S.5.</b> Barriers Voice intercom system.</p> <p><b>S.6.</b> CCTV (records of entering vehicles) CCTV in 720p (true day and night IP cameras, license plates must be visible in detail) must be stored for 90 days.</p> <p><b>S.5.</b> Barriers Entry/Exit units (ticket, RFID, QR code).</p>	<p><b>G.9.</b> Intrusion prevention/ detection, e.g. turnstile for pedestrians Concretization: intrusion prevention/ detection, e.g. turnstile full height for pedestrians.</p> <p><b>G.10.</b> License plate recognition License plate recognition (ANPR), records kept for a minimum of 90 days.</p> <p><b>G.9.</b> Intrusion prevention/ detection, e.g. turnstile for pedestrians Tripod turnstiles for the services access (e.g. toilets, restaurant, shops).</p> <p><b>S.5.</b> Barriers Traffic lights.</p>	<p><b>P.3.</b> Gates must be installed Gates or barrier with over and under climbing protection and bollards.</p> <p><b>G.8.</b> Barrier with under-climbing / over-climbing protection An airlock gate system must be installed to prevent tail gating.</p>

BRONZE LEVEL		GOLD LEVEL	PLATINUM LEVEL
ENTRY/EXIT	<p><b>B.11.</b> Risk Assessment Plan in place</p> <p>Staff must have access to a full list of local law enforcement at all times.</p>	<p><b>G.13.</b> A technical user manual must be used</p> <p>Access Control System Data kept for min 90 days, records available.</p>	<p><b>P.11.</b> Local risk assessment Once a year.</p> <p><b>P.11.</b> Local risk assessment Access Control System Data kept for min 90 days, records available.</p> <p><b>P.11.</b> Local risk assessment AC SLA in place with 2 Service Visits per year.</p> <p><b>P.10.</b> Measures against power failure Measures against power failure – for 1 hour.</p> <p><b>P.11.</b> Local risk assessment once a year Local risk assessment once a year and present to an approved auditing organization any format.</p> <p><b>P.12.</b> Pre-booking available. If the pre-booking is offered via an app or similar systems, data transmission must be real time.</p> <p>Secure pre-booking / payment platform available. If the pre-booking is offered via an app or similar systems, data transmission must be real time.</p>