

Screening of Vehicles & Secondary Perimeter

Presented by:
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Why screen vehicles & setup a secondary perimeter?

DHS Protective Measures Guide for US Sports Leagues:

“Establish a Secure Perimeter (Buffer Zone)”

DHS Protective Measures Guide for US Sports Leagues:

“Limit Access”

DHS Protective Measures Guide for US Sports Leagues:

“Search vehicles entering the inner perimeter of the facility”

Why screen vehicles & setup a secondary perimeter?

MLB Best Practice Guide:

“Secure area extending at least 100 feet from the outside wall of the stadium”

MLB Best Practice Guide:

“Only authorized/credentialed vehicles may be parked within perimeter”

MLB Best Practice Guide:

“Conduct vehicle checks by trained staff, at a minimum visual inspections, undercarriage mirrors, vehicle-borne improvised explosive device”

Why screen vehicles & setup a secondary perimeter?

NHL Recommendations for Arena Security:

“Parked vehicles should be at least 100 feet / 30 meters from the arena. If not possible, these vehicles must be properly identified, inspected/searched and monitored.”

Sample 100' Perimeter - Comerica Park



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Imagery Date: 5/9/2010 42°20'20.62" N 83°02'55.98" W

Sample 100' Perimeter – Joe Louis Arena



Financial Impact

Comerica Park:

- 250 parking spaces
- Potential lost revenue of \$500,000 annually

Joe Louis Arena:

- 350 parking spaces
- Potential lost revenue of \$525,000 annually

Total Potential Lost Revenue: \$1,025,000

“Houston, we have a problem!”

Three (3) Inter-related Concepts

Problem:

Actual state of affairs differs from the desired state of affairs.

Opportunity:

Circumstances offer an organization the chance to exceed stated goals & objectives.

Distinction between Problem v. Opportunity:

- Problem is something that endangers the organization's ability to reach its objectives
- Opportunity is something that offers the organization the chance to exceed the objectives

The Best Solution / Optimal Solution

Effectiveness:

Doing the Right Things (DTRT)

Efficiency:

Doing things right (DTR)

**The greatest combined effectiveness / efficiency generate
the Optimal Solution**

Our Solution

Partnership with Department of Homeland Security (DHS) Office for Bombing Prevention

- **Bomb-Making Materials Awareness Program (BMAP)**
 - Private Sector User Guide
 - Law Enforcement User Guide
- **Bomb Threat Management (BTM) Program**
 - Student Guide
 - Bomb Threat Management Presentation
 - Improvised Explosive Device (IED) Presentation
 - IED Search Procedures
- **Vehicle-Borne Improvised Explosive Device (VBIED)
Detection Course**
 - Vehicle Inspection Guide
 - Student Guide Presentation & Video

Our Solution

Implement DHS Information into Standard Operating Procedures (SOPs)

- **Bomb Threat**
- **Area Searching**
- **Suspicious Items**
- **100' Perimeter – Vehicle Screening**

Sample VBIED Detection Course Materials

Quick Reference Passenger Vehicle Inspection

General

- Anything unusual in factory-built compartments
- New or shiny bolts and/or screws
- Unusual scratches, possibly made by screwdrivers, wrenches, or similar tools
- Signs of tampering, such as broken parts or bent sheet metal
- Areas and components cleaner or dirtier than surrounding areas
- Wire and tape stored in vehicle
- New or broken welds
- Unusual fingerprints of grease and/or oil in otherwise clean areas
- Fresh body work (fresh fibreglassing, fresh paint, etc.)
- Fresh undercoating, particularly on older vehicles
- New caulking found by smell or touch
- No vehicle identification number
- False compartments that are not part of vehicle design

Exterior Rear

- Taillights not working
- No access to rear bumper cavity

Exterior Front

- Headlights not working
- Front grill modified or has false compartment
- No access to front bumper cavity

Sample VBIED Detection Course Materials

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Passenger Vehicles

Quick Reference Passenger Vehicle Inspection (cont.)

Exterior

- Compartments, new welds, taped items, or fresh paint in front and rear fender wells
- Doors feel heavy when swung
- Inconsistent or non-hollow sounds when tapping on vehicle sides or in fender wells
- Inspect the open gas tank cover area with the removed gas cap
 - Open tube lid for inspection
 - Look for foreign items in the gas tank tube
 - Check filler neck to see if it has been removed or tampered with

Tires

- Sound solid when tapping
- Unusually clean or dirty lug nuts or hubcaps compared to other wheels
- Spare tire is incorrect size for the vehicle

Engine Compartment

- Large battery box or extra battery
- Odd and/or clean wires
- Cold spots on radiator
- False compartment in windshield washer container or contents smell like fuel
- Foreign object in air filter cavity
- Cold oil filter
- Freshly painted areas, new welds, shiny bolts, or sheet metal work on firewalls
- Clean engine in dirty car
- Hood feels heavy when opened and closed (Reminder: Have the driver open the hood, but move the hood yourself.)
- False wall or modified fender compartment
- Clean or wiped areas

Sample VBIED Detection Course Materials

Inside the Vehicle

- Dashboard
 - Electrical components function or LEDs are on when vehicle power is off
 - New, damaged, or scratched screws
 - Plugged air vents
 - Broken or missing blower
- Factory built-in compartments that are concealed from view
- Unusual lumps or bulges in front and/or rear seats
- Rigid front and/or rear seats
- False or modified ceiling
- Unusually thick floor
- Stress cracks in windshield (not rock chips)

Under the Vehicle

- Unusual or inconsistent sounds when tapping on fuel tank
- New frame welds
- Items taped or attached to frame
- Cold oil pan
- Cold or unusual muffler (vehicle may be loud)
- Signs of recent installation of components such as fuel tank, muffler, etc. (Ask driver about details of repair.)
- Spare gas cans (could indicate the vehicle's gas tank has been reduced to accommodate a hidden compartment)

Exterior Compartments

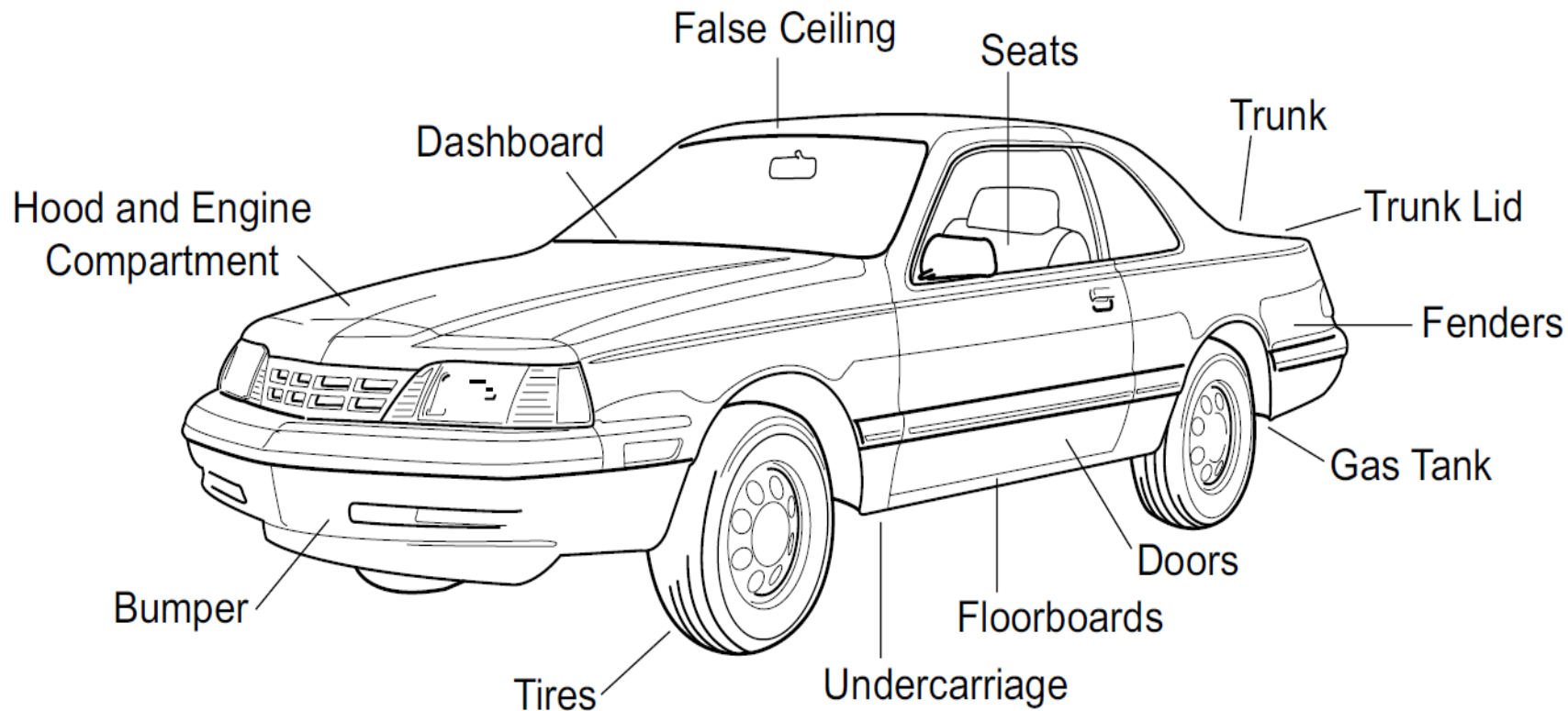
- Factory built-in, concealed from view
- After-market type, unusual for vehicle
- Concealed type, unusual for vehicle

Sample VBIED Detection Course Materials

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Passenger Vehicles

Hot Spots



Sample VBIED Detection Course Materials

Indicators in Cargo Area of Automobiles

Trunk Compartment

- New trunk mat or carpet
- Trunk carpet is glued to floor
- Caulk, glue, or other strange smell
- Heavy trunk lid (i.e., loaded)
- Raised floor
- Non-hollow or inconsistent sounds in walls
- Unusual welds or seams
- Unusual space between back seat and trunk wall
- Spare tire not flush with floor
- Spare tire is removed or secured to floor



Sample SOP: 100' Perimeter – Vehicle Screening

Service:	CORPORATE SECURITY AND SAFETY
General Topic:	SPECIAL CONSIDERATIONS
Specific Topic:	100' PERIMETER VEHICLE SCREENING
Number:	3152
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3152.15 Public Awareness:

Informing guests that security screening procedures are in place is a critical component to the screening plan. Making the requirements known early and informing the public of what items are not allowed into the venue will enhance the screening process.

3152.20 Refusal of Guest Screening:

If a guest refuses to comply with the established screening procedures, the screener shall contact the Corporate Security Supervisor to explain/discuss the screening procedures or relocate the vehicle outside of the perimeter. Any suspicious behavior observed must be reported immediately to the Corporate Security Command Center and/or Law Enforcement.

3152.25 Search Process Specifics:

EOD searches are “dynamic” and encompass a variety of safety considerations, search equipment, methods and critical operational considerations including incorporation of other IHI Corporate Security SOP(s) including, but not limited to; SOP #2160 Area Searching, SOP#3340 Suspicious Items and SOP#3345 Bomb Threats

Additionally, this SOP incorporates the following critical procedures as detailed in the DHS Bomb Threat Management Plan (BTMP)

- Bomb Stand Off
- Search Equipment
- Runners/Communication
- Search Safety
- Suspicious Items
- Secondary Devices
- Vehicle Scan

Sample SOP: 100' Perimeter – Vehicle Screening

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3152.25 Search Process Specifics, continued:

Bomb Threat Stand-Off Card

Threat Description	Explosives Capacity	Mandatory Evacuation Distance	Shelter-in-Place Zone	Preferred Evacuation Distance
Pipe bomb	5 lbs	70 feet	71-1,199 feet	+ 1,200 feet
Suicide bomber	20 lbs	110 feet	111-1,699 feet	+ 1,700 feet
Briefcase / suitcase	50 lbs	150 feet	151-1,849 feet	+ 1,850 feet
Car	500 lbs	320 feet	321-1,899 feet	+ 1,900 feet
SUV / Van	1,000 lbs	400 feet	401-2,399 feet	+ 2,400 feet
Small delivery truck	4,000 lbs	640 feet	641-3,799 feet	+ 3,800 feet
Container / water truck	10,000 lbs	860 feet	861-5,099 feet	+ 5,100 feet
Semi-trailer	60,000 lbs	1,570 feet	1571-9,299 feet	+ 9,300 feet

Search Equipment – a basic search kit shall include:

- A system for communication
- Flashlight
- Note pad and pen/pencil
- Markers
- Chemical lights
- Tape
- Mirror
- Reference materials – 2012 ERG, site maps, floorplans, checklists, etc.

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3152.25 Search Process Specifics, continued:

Vehicle Scan:

- Visual scan only – plain sight
- Detailed vehicle searches shall only be conducted by trained emergency response or security personnel.
- Be systematic – check area immediately around and under the vehicle, clockwise from the front of the vehicle and exterior then interior of vehicle.

Vehicle Scan for Passenger Vehicles:

- General
 - Areas and components cleaner or dirtier than surrounding areas
 - Unusual fingerprints (grease/oil)
 - Recent paint
 - Unusual scratches/tool marks
 - Fresh body work
 - Fresh caulking
 - Missing/unreadable VIN
 - Out of state or dealer license plate
 - Unusual smell/leaks/smoke
 - Signs of extended road travel
- Exterior
 - No access to bumper cavities
 - Windows down
 - Numerous radio and/or cellular antennas, etc.
 - Modifications to grill
 - Foreign items in gas tank tube
 - Stress cracks in windshield
 - Uneven weight distribution – low rear end
 - New or broken welds
 - New/shiny bolts or screws
 - Vision of interior obscured

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3152.25 Search Process Specifics, continued:

Vehicle Scan for Passenger Vehicles:

- Tires
 - Sound solid
 - New tire(s)
 - Unusually clean/dirty lug nuts compared with other wheels

- Interior
 - Exposed wiring
 - IED component parts
 - HME precursor chemicals
 - Unusual bumps/bulges in seats
 - Parts of interior intentionally hidden from view

- Undercarriage
 - Air shocks without trailer hitch
 - New frame welds
 - Items taped/attached to frame
 - Signs of recent installation of components (fuel tank, muffler, etc.)

Vehicle Scan for Tractors:

- General
 - Refer to passenger vehicle indicators

- Exterior
 - False compartment in 5th wheel area
 - Compartments in frame rails (frame rails are normally exposed)
 - No access to front bumper cavity
 - Modifications or irregularities with battery box
 - Unusually thick fenders

Reference Materials

- DHS – Bomb Threat Management Program – Law Enforcement User Guide
- DHS – Bomb Threat Management Program – Private Sector User Guide
- DHS – Bomb Threat Management Presentation
- DHS – Bomb Threat Management Student Guide
- DHS – Bomb Threat Management Workshop Invitation
- DHS – Improvised Explosive Device & Explosive Effects
- DHS – Improvised Explosive Device Search Procedures
- DHS – Vehicle-Borne Improvised Explosive Device Detection Course Invitation
- DHS – Vehicle-Borne Improvised Explosive Device Detection Course Outline
- DHS – Vehicle-Borne Improvised Explosive Device Detection (Walk-Through Exercise)
- DHS – Vehicle-Borne Improvised Explosive Device Inspection Guide
- DHS – Vehicle-Borne Improvised Explosive Device Inspection Video
- DHS – Vehicle-Borne Improvised Explosive Device Student Guide
- DHS – Vehicle-Borne Improvised Explosive Device Threat Overview
- DHS – Vehicle Inspection
- IHI SOP – 100' Perimeter / Vehicle Screening
- IHI SOP – Area Searching
- IHI SOP – Bomb Threats
- IHI SOP – Suspicious Items

All reference materials can be found on the NCS4 website.

Questions:

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