



SMALL WARS

JOURNAL

Mexican Cartel Tactical Note # 3

Narco Armored Vehicle Threats and Countermeasures

By ***Robert Bunker***

SWJ Blog Post | *Aug 29 2011 - 11:39am*

Who: Mexican Cartels (Lev III/IAFV; primarily Zetas & Gulf Cartel)

What: The deployment of narco armored cars and improvised armored fighting vehicles (IAFVs) in Mexico as a byproduct of the criminal insurgencies taking place.

When: I&W (indications & warnings) traced back to at least 1979 to the Dadeland Mall shooting in Florida tied to a Colombian cartel assassination team using improvised ballistic protection in a delivery truck (historical). Mexican cartel deployment of armored SUVs begins by the late 1990s and has greatly increased over time. A firebreak was crossed with the initial deployment of improvised armored fighting vehicles (IAFVs) in 2010.

Where: Threat Level I- sporadic at best in Mexico; Threat Level II- throughout cartel areas of operations in Mexico; Threat Level III- primarily in North-Eastern and Central Mexico, with vehicles recovered in the states of Chihuahua, Coahuila, Nayarit, Nuevo Leon and Tamaulipas.

Why: For well over a decade now, a deadly arms race has been taking place in Mexico between the various warring cartels and their gang and mercenary auxiliary forces. Weaponry has been shifting from civilian arms to law enforcement arms and then to infantry combat small arms. The introduction of cartel enforcers with former military and special forces backgrounds has resulted in the fielding of cartel units that have been increasingly professionalized. A component of this process is the deployment of armored SUVs and improvised armored fighting vehicles (IAFVs).

Synopsis of Narco Armored Vehicle Threats

Tactical Analysis

Description Narco armored vehicles come in	Encountered defensive (Lev I-II) and offensive (Lev III) variants.	Specifics While Lev II
Defensive Vehicles <i>Threat Level I:</i> Hasty/improvised Utilize shredder/hardened projectiles (via shotgun) and higher velocity for anti-personnel use and to target tires and engines (radiator) for mobility kills, allow for more specialized SWAT response.	cab/driver compartments) the early Lev II vehicles utilized gun ports to be conducted much like those undertaken by military units. in Mexico (current) ballistic protection utilized in other ways soft vehicles. Countermeasures: AP rounds (via semi-auto rifles) mobility kills, establish perimeter to	While Lev II variants. This ballistic vests hanging inside a delivery truck to provide protection to Colombian cartel assassination team (historical); vests, and bags, and/or steel plates for basic ballistic protection.
Offensive Vehicles <i>Threat Level III- Mature:</i> An improvised armored fighting vehicle (IAFV) with full body protection, gun ports, and an air conditioning unit carrying between 5-20 cartel gunmen. Variants may include breaching rams, turreted gun ports, cell boosters (for communications), and other	Threat to Mexico (increasingly) alone interspersed with flat (unarmored) vehicles. Since firing ports are atypical, cartel gunmen lose primary defensive advantage when dismounting to engage other forces, still, the armored doors/vehicle body can be used for ballistic shielding purposes. Primarily North-Eastern and Central Mexico (~2009-2010): typically, superseded by more mature variant	Internal armor kits ballistic glass (flat tires) armored vehicles. Since firing ports are atypical, cartel gunmen lose primary defensive advantage when dismounting to engage other forces, still, the armored doors/vehicle body can be used for ballistic shielding purposes. Primarily North-Eastern and Central Mexico (~2009-2010): typically, superseded by more mature variant
Offensive Vehicles <i>Threat Level III- Mature:</i> An improvised armored fighting vehicle (IAFV) with full body protection, gun ports, and an air conditioning unit carrying between 5-20 cartel gunmen. Variants may include breaching rams, turreted gun ports, cell boosters (for communications), and other	Primarily North-Eastern and Central Mexico (since 2010) on fighting position pill box placed on the engine (radiator), and/or tires for a mobility kill	Platforms used are typically work trucks, heavy equipment. Exterior armor plating (5 or 2.5 cm), gun ports and air conditioning for mounted troops; external gun mounts, turret firing ports, breaching rams
Predicted Evolution IAFV without tank-like high gump truck size vehicles. They are somewhat like the Mexican Federal police vehicle El "rinoceronte" but cruder in appearance. Tires may be exposed	Predicted Evolution IAFV without tank-like high gump truck size vehicles. They are somewhat like the Mexican Federal police vehicle El "rinoceronte" but cruder in appearance. Tires may be exposed	Like the Mexican Federal police vehicle El "rinoceronte" but cruder in appearance. Tires may be exposed

operating together though dozens of these vehicles (possibly more than 100) have now been built. The attachment of a few of these vehicles to provided security to a narco armored SUV convoy (Level II threat) must now be a consideration. Note— cartel gunmen riding in these vehicles may be carrying RPGs (Rocket Propelled Grenades) or tube launched anti-tank weapons that allow them to target and knock out opposing cartel IAFVs. This represents an additional concern in addition to military small arms (assault rifles, launchers, and grenades) being carried by these mobile infantry forces. This threat is beyond most Mexican state and federal law enforcement response capabilities. Countermeasures: Military medium and heavy tanks and other anti-armor systems; in dire situations can target tires for mobility kill, utilize spike strips, and/or commandeer trucks/big rigs to isolate avenues of approach/contain in urban choke points while awaiting military support.

Threat Level IV (Predicted Evolution): Linear projection of the Level III Threat into the future. Superior anti-vehicular offensive capabilities of such an organic (main) gun added to IAFVs would generate a threat way beyond Mexican state and federal law enforcement response capabilities. Probable 50 Cal. initial machine gun system usage with an eventual increase into smaller 20-40 mm cannon sizes derived

from AA (anti-aircraft) guns. Countermeasures: Same as Level III- Mature; responding to this threat would basically turn this into a conventional military AFV engagement. Utilizing attack helicopters with anti-armor systems against these vehicles would be warranted.

No expectation exists for US law enforcement inside US territory to encounter a narco improvised armored fighting vehicle (IAFV) [Level III Threat]. While such a vehicle, in an overwatch position in Mexico, could conceivably cover a drug load going into the US, such a scenario presently appears unlikely—though co-opted personnel in Mexican military vehicles in years past have been involved in such incidents. Far more likely scenarios for US law enforcement on the US side of the border are sporadic/potential encounters with Mexican cartel operatives in defensive oriented Level I and Level II threat vehicles. [Note- some instances of cartel vehicles containing caltrop and oil slick dropping compartments have been reported. The effectiveness of such systems will vary].

**Countermeasures guidance underwent a basic tactical review by retired law enforcement and military personnel with extensive special operations field experience.*

Significance: Cartel Tactics; Cartel Weaponry; Law Enforcement Countermeasures/Response; Officer Safety Issues

Sources

“**Mexican Cartels now using ‘tanks’**” - William Booth, *Washington Post*, June 7, 2011.

“**Narco Motor Trend**” - Gerardo, *Borderland Beat*, June 19, 2011. [See source for extensive collection of vehicular pictures].

“**Monster Trucks in Mexico: The Zetas Armor Up**” - *STRATFOR*, July 4, 2011.

“**Narco-Armor in Mexico**” - John P. Sullivan and Adam Elkus, *Small Wars Journal*, July 14, 2011.

“**Narco-Tanks': Mexico's Cartels Get Asymmetric Weapons**” - Gordon Housworth, *In Sight*, July, 2011.

Also see the numerous English and Spanish <http://www.youtube.com> video clips of these vehicles.

About the Author



Robert Bunker

Dr. Robert J. Bunker is an Adjunct Research Professor, Strategic Studies Institute, US Army War College and Adjunct Faculty, Division of Politics and Economics, Claremont Graduate University. He holds university degrees in political science, government, social science, anthropology-geography, behavioral science, and history and has undertaken hundreds of hours of counterterrorism training. Past professional associations include Distinguished Visiting Professor and Minerva Chair at the Strategic Studies Institute, U.S. Army War College; Futurist in Residence, Training and Development Division, Behavioral Science Unit, Federal Bureau of Investigation Academy, Quantico, VA; Staff Member (Consultant), Counter-OPFOR Program, National Law Enforcement and Corrections Technology Center-West; and Adjunct Faculty, National Security Studies M.A. Program and Political Science Department, California State University, San Bernardino, CA. Dr. Bunker has hundreds of publications including *Studies in Gangs and Cartels*, with John Sullivan (Routledge, 2013), *Red Teams and Counterterrorism Training*, with Stephen Sloan (University of Oklahoma, 2011), and edited works, including *Global Criminal and Sovereign Free Economies and the Demise of the Western Democracies: Dark Renaissance* (Routledge, 2014), co-edited with Pamela Ligouri Bunker; *Criminal Insurgencies in Mexico and the Americas: The Gangs and Cartels Wage War* (Routledge, 2012); *Narcos Over the Border: Gangs, Cartels and Mercenaries* (Routledge, 2011); *Criminal-States and Criminal-Soldiers* (Routledge, 2008); *Networks, Terrorism and Global Insurgency* (Routledge, 2005); and *Non-State Threats and Future Wars* (Routledge, 2002).

Available online at : <http://smallwarsjournal.com/blog/mexican-cartel-tactical-note-3-0>

Links:

- {1} <http://smallwarsjournal.com/author/robert-bunker>
- {2} http://www.washingtonpost.com/world/americas/mexican-cartels-now-using-tanks/2011/06/06/AGacrALH_story.html
- {3} <http://www.borderlandbeat.com/2011/06/narco-motor-trend.html>
- {4} <http://www.stratfor.com/memberships/197885/analysis/20110623-monster-trucks-mexico-zetas-armor>
- {5} <http://smallwarsjournal.com/.../jrn1/art/narco-armor-in-mexico>
- {6} <http://insightcrime.org/insight-latest-news/item/1073-narco-tanks-mexicos-cartels-get-asymmetric-weapons>
- {7} <http://www.youtube.com/>
- {8} <http://smallwarsjournal.com/comment/reply/11384#comment-form>

Copyright © 2017, Small Wars Foundation.



Select uses allowed by Creative Commons BY-NC-SA 3.0 license per our [Terms of Use](#).

Please help us support the [Small Wars Community](#).