

K9 Explosive Detection A Manual For Trainers

Worldwide usage of police dogs

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In law enforcement work, police dogs are used worldwide for a variety of purposes that include apprehension, detection, and search and rescue.

Dog training

been trained to perform a large number of practical functions including search and rescue, herding livestock, guarding, explosive or drug detection, and

Dog training is a type of animal training, the application of behavior analysis which uses the environmental events of antecedents (trigger for a behavior) and consequences to modify the dog behavior, either for it to assist in specific activities or undertake particular tasks, or for it to participate effectively in contemporary domestic life. While training dogs for specific roles dates back to Roman times at least, the training of dogs to be compatible household pets developed with suburbanization in the 1950s.

A dog learns from interactions it has with its environment. This can be through classical conditioning, where it forms an association between two stimuli; non-associative learning, where its behavior is modified through habituation or sensitisation; and operant conditioning, where...

Bay Area Rapid Transit Police Department

internal affairs and a budget coordination office. Further specialties for the police department include: field training officer, K9, background investigations

The BART Police (BARTPD), officially the Bay Area Rapid Transit Police

Department, is the transit police agency of the BART rail system in the U.S. state of California. The department has approximately three hundred police personnel, including over two hundred sworn peace officers. The chief, Kevin Franklin commands the agency's law enforcement, parking, and community relations services. BART Police participates in a mutual aid agreement with other Bay Area law enforcement agencies. In 2011 and 2012 the department came under national scrutiny due to several officers involved in fatalities of the rail system's patrons.

When terrorism began to be treated as a more active threat after the September 11 attacks, BART increased its emphasis on infrastructure protection. The police department hosts...

Beagle

PMC 10880118. PMID 38384378. "Termite Detection Dogs". K9 Centre.com. Retrieved 8 November 2011. "Police Powers (Drug Detection Dogs) Bill". Parliament of New

The Beagle is a small breed of scent hound, similar in appearance to the much larger foxhound. The beagle was developed primarily for hunting rabbit or hare, known as beagling. Possessing a great sense of smell and superior tracking instincts, the beagle is the primary breed used as a detection dog for prohibited agricultural imports and foodstuffs in quarantine around the world. The beagle is a popular pet due to its size and amiable temperament.

The modern breed was developed in Great Britain around the 1830s from several breeds, including the Talbot Hound, the North Country Beagle, the Southern Hound, and possibly the Harrier. Beagles have been depicted in popular culture since Elizabethan times in literature and paintings and more recently in film, television, and comic books.

Military Police Corps (United States)

Police also utilize the use of PEDD (Patrol Explosive Detection Dogs) and SSD (Specialized Search Dogs) K9 Military Working Dogs. Military Police are considered

The United States Army Military Police Corps (USAMPC) is the uniformed law enforcement branch of the United States Army. Investigations are conducted by Military Police investigators under the Provost Marshal General's Office or special agents of the Department of the Army Criminal Investigation Division (CID).

United States Army Military Police units have combat zone responsibilities in addition to their law enforcement duties. These responsibilities include mounted and dismounted patrols, response force operations, area damage control, route reconnaissance, cordon and search operations, critical site security, and convoy and personnel escorts. Operationally, these duties fall under the "security and mobility support" discipline of the Military Police Corps.

Artillery

155 mm SpGH ZUZANA 2, and K9 Thunder. The Archer project (developed by BAE-Systems Bofors in Sweden) is a 155 mm howitzer on a wheeled chassis which is

Artillery consists of ranged weapons that launch munitions far beyond the range and power of infantry firearms. Early artillery development focused on the ability to breach defensive walls and fortifications during sieges, and led to heavy, fairly immobile siege engines. As technology improved, lighter, more mobile field artillery cannons were developed for battlefield use. This development continues today; modern self-propelled artillery vehicles are highly mobile weapons of great versatility generally providing the largest share of an army's total firepower.

Originally, the word "artillery" referred to any group of soldiers primarily armed with some form of manufactured weapon or armour. Since the introduction of gunpowder and cannon, "artillery" has largely meant cannon, and in contemporary...

K2 Black Panther

target engagements, and fire its main gun without manual input. K2 has an Automatic Target Detection and Tracking System controlled by the Automatic

Target

K2 Black Panther (Korean: K-2 탱크; Hanja: K-2 탱크; RR: K-2 Heukpyo) is a South Korean fourth-generation main battle tank (MBT), designed by the Agency for Defense Development and manufactured by Hyundai Rotem. The tank's design began in the 1990s to meet the strategic requirements of the Republic of Korea Army's reform for three-dimensional, high-speed maneuver warfare based on use of network-centric warfare.

The K2 Black Panther has an advanced fire-control system, in-arm suspension, and a radar, laser rangefinder, and crosswind sensor for lock-on targeting. Its thermographic camera tracks targets up to 9.8 km, and its millimeter-band radar acts as a Missile Approach Warning System, enhancing situational awareness, and soft-kill active protection system deploys smoke grenades to counter incoming...

K1 tank

versions of the K1 tank and K9 Thunder. Hyundai Rotem was contracted to

develop the unmanned tank by 2024. XK1 ROKIT: Acronym for the Republic of Korea Indigenous

The K1, sometimes referred to as the 88 Tank (88 탱크), is a South Korean main battle tank designed by Chrysler Defense (later General Dynamics Land Systems) and Hyundai Precision Industry (later Hyundai Rotem) for the Republic of Korea Armed Forces. It is a derivative of Chrysler's M1 Abrams, tailored to meet unique ROK requirements. The K1A1 is an upgraded variant based on the GDLS technical data package with a 120 mm 44 caliber smoothbore gun, and is outfitted with more modern electronics, ballistic computers, fire control systems, and armor. Hyundai Rotem produced 1,511 K1 and K1A1 tanks between 1986 and 2011.

MRT Line 3 (Metro Manila)

can be found in all stations. All stations have a head guard. Some stations may also have a deployed K9 bomb-sniffing dog. The line also employs the use

The Metro Rail Transit Line 3, also known as the MRT Line 3 or MRT-3, is a

rapid transit line in Metro Manila in the Philippines. The line runs in an orbital north to south route following the alignment of Epifanio de los Santos Avenue (EDSA). Despite its name, the line is more akin to a light rapid transit system owing to its tram-like rolling stock while having total grade separation and high passenger throughput. Originally known as the Metrostar Express or the Blue Line, the line was reclassified to be the Yellow Line in 2012.

Envisioned in the 1970s and 1980s as part of various feasibility studies, the 13-station, 16.9-kilometer (10.5 mi) line was the second rapid transit line to be built in Metro Manila when it started full operations in 2000. The line is owned and operated by the Philippine...

Commandos Marine

training and assault tactics, climbing and rappelling, boat handling, explosives instruction and hand-to-hand combat. The instructors are experienced operatives

The Commandos Marine, nicknamed Bérêts Verts (Green Berets), are the special

operation forces (SOF) of the French Navy, headquartered in Lorient, Brittany in western France. They operate under the Special Operations Command (COS), FORFUSCO, one of the four main forces of the French Navy or any operational command designated by the French Army staff. They specialize in offshore operations; operations from sea to land and special operations on land. One of the major characteristics of marine commando units is to be perfectly interoperable with all the resources and units of the navy (vessels, aircraft, submarines).

Comprising seven operational units of around 90 men and around 160 in specialized support, their missions include: hostage rescue, evacuation operations, intelligence within enemy...

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