



April 21, 2017

Thank you for participating in our Member Tested and Recommended Program. The **Terradyne Gurkha MPV** has been tested and recommended by the members of the National Tactical Officers Association. Your overall score was a **4.44**.

Attached with this letter is a copy of the complete review that your company can use as well. Press releases written regarding this product review must be emailed to the NTOA for review before release to assure the wording is correct.

This product and its review are now listed on the NTOA's Member Tested and Recommended online database. The review may also be published in *The Tactical Edge* journal, as time allows.

Please contact Corey Luby at advertising@ntoa.org if you would like to advertise in *The Tactical Edge* journal. Once again, thank you for participating in the Member Tested and Recommended Program©.

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Terradyne Armored Vehicles

Terradyne Gurkha MPV

Overall Score: 4.44

www.terradyneinc.com

Tester 1 of 1

Tested by a member from Colorado

Design 4

Performance 4

Ease of Use 4

Quality 5

Durability 5

Storage 4

Versatility 5

Application 5

Comfort 4

Individual Score 4.44

The twenty-five-member SWAT Team for the Boulder Police Department, located in Boulder, Colorado, conducted a test and evaluation (T&E) of the Terradyne Gurkha Mobil-Purpose Patrol Vehicle (MPV) from mid-December 2016 through March 2017. During this evaluation, the team focused on four major areas; drivability, tactical functionality, ballistic capabilities, and overall design. On December 12, 2016, two members of the SWAT team traveled to San Jose, California to pick up Terradyne's Gurkha for the T&E period. They drove the vehicle approximately 1200 miles back to Boulder, traversing through both urban and rural environments, interstates, the desert and the Rocky Mountains. The Gurkha performed very well at highway speeds and had more than ample power going over mountain passes at elevations up to 11,158 feet. While traveling through the Rocky Mountains, adverse weather conditions were encountered, including a snow storm and icy road conditions. The Gurkha performed very well in these conditions and stopping on ice was as expected for a 19,500 lbs. vehicle. Visibility out of the Gurkha was as expected for an armored vehicle and a backup camera is a must have (included) feature. All of the basic controls of the vehicle were simple and easy to use. During training iterations, hard breaking on gravel and pavement was tested and again, the Gurkha performed well. The on-the-fly four-wheel drive was easy to operate and the vehicle performed well off-road as well. The vehicle was equipped with 41 inch off road tires which increased the overall ground clearance. The turning radius on the Gurkha was impressive as was its maneuverability through tight areas. During the T&E the Gurkha was utilized on a real-world call with a report of several improvised explosive devices (IEDs). Due to its ballistic capabilities, Boulder County's Regional Bomb Squad technicians were comfortable getting close to the potential IEDs to get eyes on and have better control of their robots. EOD technicians requested that the bomb disposal trailer be brought close to the devices via the Gurkha, however, the vehicle that was tested was not equipped with a hitch, an addition that we would request if deciding to purchase Terradyne's vehicle. The Gurkha was run through several iterations of officer rescue training at a firing range. The loading of operators in full tactical gear was made slightly more difficult due to the

height of the vehicle, but was manageable, particularly with a medic on the inside assisting with the loading. On the version we tested there was also a small lip at the bottom of the rear door, which created a tripping hazard. We were informed by Terradyne this issue is now resolved. (The vehicle tested was a 2014 model). While it was found that loading through the rear door is preferable, several rescues were conducting through the rear side doors, which adds to the versatility of this vehicle in such circumstances. During range training, operators fired countless rounds from both inside and around the vehicle. While operators could get sight pictures while shooting through the side ports, the tear drop ports on the newer versions of the Gurkha would be preferred. Operators liked the functionality of the step system below the turret, allowing for operators of varying heights to achieve an optimal shooting platform. The hatch on the turret does provide some limited cover for an operator, however, the half and three-quarter turrets appear to be better options. The overall functionality of the turret and ease of use is not as functional as some competitors. For example, the opening for the turret appears to be smaller and it takes more effort to rotate. Operators fired from several different positions around the Gurkha and were pleased overall with the coverage provided. However, the high clearance makes the addition of the power-operable ballistic skip shield a must. Terradyne offers an impressive number of additional options available for the Gurkha. Some of those options include a full lighting package, 360-degree telescopic pan-tilt-zoom camera equipped with night vision and thermal, a power operable breaching ram, fully enclosed turret and upgraded ballistic glass. The team liked the overall aesthetics and functionality of the Gurkha. Terradyne states that the Gurkha seats twelve operators in full tactical kit. We found we could transport fifteen operators on the inside and thirteen on the outside rails. The amount of headroom inside of the Gurkha was sufficient for operators in full kit and there was ample space for entry and exit through the rear or side doors. The door handles on the inside of the front doors were a bit awkward to access, but manageable. The rear doors of the Gurkha do not lock open, however, Terradyne states that they have resolved this issue on the newer versions. The overall comfort both driving and riding in the Gurkha was satisfactory. The materials which Terradyne used building and outfitting the Gurkha were deemed sound. Overall the team was impressed with the performance of the Terradyne Gurkha. Based on our T&E it is our belief that the Gurkha could perform any function that would be required in a SWAT operation or a patrol deployment. Any faults that were found with the Gurkha were minor and most have already been addressed by Terradyne.