

2 DAY TERRORIST WEAPONS

Introduction

OVERVIEW

This 2 day course is designed to familiarise the student with the types of handgun, sub-machine gun and assault rifle typically seen as being of interest to terrorists, it covers all weapon and ammunition types that fall into this category, also an overview on the recent advances on protection materials designed and supplied by Associated Armour Limited.

Agenda

- Sourcing weapons
- Deactivation standards
- Re activation process
- Re activation - evidence gathering
- Identification of components
- Improvised weapons and their manufacture
- Disguised weapons and their manufacture
- Field strip/making safe (various weapons)
- Magazines for weapons
- Body armour, protection, new materials
- Sourcing ammunition
- Components - identification
- Reloading process
- Obtaining components
- Assembling ammunition (practical)
- Reloading - evidence gathering
- Terminal effect on body armour and substrates
- Forensic recovery (overview)
- Forensic strategy (overview)
- Personal protection, crowd protection

Aims and Outcomes

- To enable the student to understand the methods of operation, loading procedures and rates of fire of various terrorist-type weapons and to see the terminal effects of the ammunition they use
- To give the student hands-on experience of firearms commonly used by terrorists
- To demonstrate how to recover firearms and ammunition and preserve evidence for the forensic scientist

Notes

1. This is a CPD- related course. This course can contribute to your Continuing Professional Development (CPD) and will be evidenced through a multiple-choice summative assessment and the award of a course completion certificate.
2. The course includes hand-outs, practical sessions and discussion periods.
3. Course timings 0900-1730 (0900-1530 on the second day).
4. All safety equipment required will be supplied.
5. Refreshments and lunch on each day will be provided.
6. Assistance with hotel bookings will be available from our office staff.
7. A maximum of 10 students per course.
8. The course is available to serving police, military, and Government personnel only.

Facilities

Helston Forensics has a working laboratory and forensic ballistic range, the armoury holds more than 20,000 small arms of all types including airguns, shot guns, rifles, military weapons, handguns, SMG, LMG, HMG, also a range of larger weapons including rocket launchers, mortars, recoilless rifles, cannon, artillery and tank guns.

The forensic range is used for forensic testing of small arms, with a range of pressure barrels, and barrels for firing bullets and fragments for soft and hard armour testing, a comprehensive facility for the loading of speciality ammunition.

The ammunition store holds a comprehensive range of ammunition and components including a range of prohibited ammunition and projectiles for speciality testing (terminal ballistics).

Lecturers are trained armourers, forensic experts and designers of body armour who are occupationally competent and current with all small arms types.



AK47 assault rifle and variants available in most countries with over 20 countries currently producing, estimate of over 75 million produced (one for every 60 people on earth)



UZI submachine gun test fired in "full auto" mode firing 600 rounds per minute



Glock pistol showing interchangeability of parts



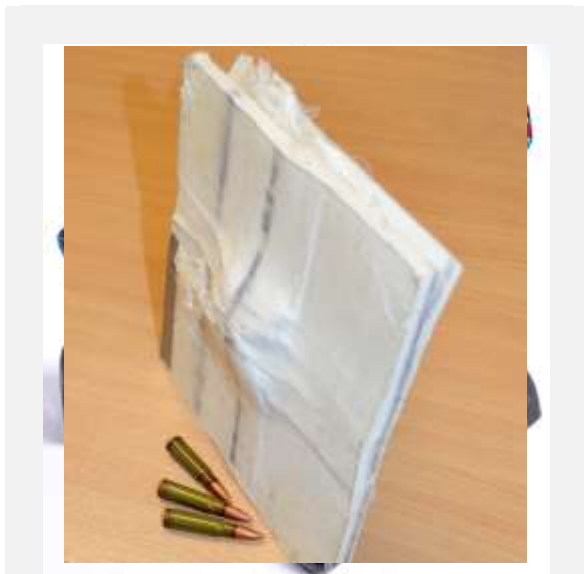
Re-loading AK47 ammunition by the student prior to test firing



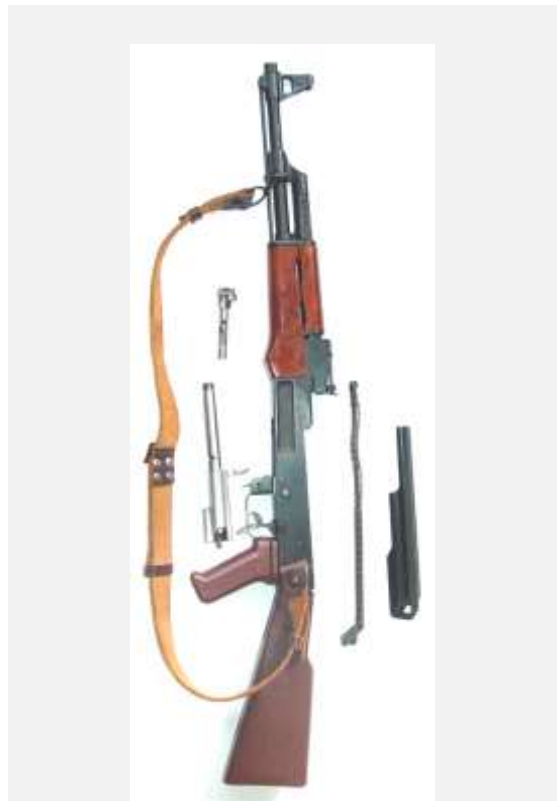
Simple tools for hand loading



9 mm bullet and cartridge case recovered from the scene, what can they tell us?



UMNPE materials (AA processed) offer a lightweight solution for stopping the AK47 steel core bullet



Field stripping an AK47 is a simple operation



Manufacturing an improvised barrel can be achieved in any well-equipped workshop/factory



A disguised silencer to fit the “nut & bolt” shown above



Homemade firearms can be sophisticated or crude



An improvised weapon seized from an individual in Nepal



Soft armour, AA manufactured super lightweight body armour that is able to stop the 9 mm/ .357/ 44 magnum bullets



Various tools and equipment can be used to reactivate firearms, so that they can be used again. Forensic evidence can be found this way



30 mm thick steel and alloy material unable to stop the M2AP bullet



AK47 steel core bullets before and after hitting the new material AA processed as shown above



Simple solutions for enhanced concourse protection against bullets, blast or bomb fragments



Matching bullets to the gun that fired them requires the use of a comparison microscope



Methods of operation, how does the weapon function?

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