

SUBJECT	FUNCTIONS OF FIREARMS AND TOOL MARK SECTION
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1.0 Functions of Firearm and Tool Mark Section

- 1.1 Examine bullets, cartridge cases, and/or shotgun shells .
 - 1.1.1 Determine if bullets, cartridge cases or shotgun shells were fired in or from a particular firearm.
 - 1.1.2 Determine the caliber/type/manufacturer of ammunition components.
 - 1.1.3 Produce a list of firearms that could have fired an evidence bullet/cartridge case.
- 1.2 Examine tool marks.
 - 1.2.1 Determine if a tool mark was made by a particular tool.
 - 1.2.2 Determine class characteristics of a tool mark and give type of tool that could have made the mark.
 - 1.2.3 Determine if a broken part or piece of a tool or firearm was once part of a particular tool or firearm.
- 1.3 Firearm function.
- 1.4 Examine clothing and other articles for presence of gunshot residue, gunshot residue patterns, and/or shotgun pellet patterns.
 - 1.4.1 If present, determine the distance the muzzle of a firearm was from an item at time of firing.
- 1.5 Attempt to restore obliterated serial numbers on firearms and other items.

SUBJECT: SECTION FUNCTIONS

- 1.6 Assist at crime scene searches.
 - 1.6.1 Collection/identification/submission of firearm/tool mark evidence.
 - 1.6.2 Determination of bullet/pellet trajectories.
 - 1.6.3 Chemical testing when necessary
- 1.7 Prepare reports on all examinations/analyses.
- 1.8 Testify in court based on prepared reports.
- 1.9 Maintain the Integrated Ballistic Identification System (IBIS).
 - 1.9.1 Databases of bullets and cartridge cases.
 - Compared against unidentified bullets and cartridge cases.
- 1.10 Utilize Bureau of Alcohol, Tobacco and Firearms to trace ownership of a particular firearm.
- 1.11 Maintain a firearms reference collection.
- 1.12 Maintain an ammunition reference collection.
- 1.13 Provide seminars and classes related to forensic firearms and/or tool marks.