



FIR1 PURPOSE

The functions of the Colorado Bureau of Investigation Forensic Services (CBI-FS) Firearms Section are as follows:

1. Analysis of evidence relating to firearm and toolmark to include:
 - a. Functionality testing of firearms
 - b. Examination and comparison of fired cartridge cases/shotshells
 - c. Examination and comparison of fired bullets/fragments
 - d. Examination and comparison of shot pellet(s)
 - e. Examination and comparison of live ammunition
 - f. Muzzle to Target distance determination
 - g. Perform chemical testing for the presence of gunshot residues
 - h. Silencer-suppressor examination
 - i. Serial number restoration
 - j. General toolmark examination
 - k. Physical match
2. Test firing of firearms.
3. To perform the evaluation, entry and correlation of cartridge cases suitable for NIBIN (National Integrated Ballistic Information Network).
4. Issue written reports summarizing results of analyses performed.
5. To develop and validate any necessary methods required to properly analyze items of evidence.
6. To maintain the firearm and ammunition reference collections.
7. To review literature to stay current with new firearms or ammunition being encountered.
8. To provide general firearm safety to appropriate staff of CBI-FS.
9. To assist investigators and attorneys with firearm and toolmark related inquiries or information.
10. Provide expert witness testimony.