



Course Outline

Course Objectives

On completing this course, trainees will be able to use IBIS BRASSTRAX to create cases and exhibits, as well as acquire images of cartridge case and shot shell exhibits.

Prerequisites

Basic computer skills (Windows® environment)

Basic firearms knowledge

MODULE 1

Introducing BRASSTRAX

- Identify the BRASSTRAX components
- Identify BRASSTRAX regions of interest
- Identify BRASSTRAX user roles
- Start up and log on to BRASSTRAX

MODULE 2

Navigating the BRASSTRAX Interface

- Identify the areas of the BRASSTRAX interface
- Work with the Main toolbar and Proficiency Test toolbar buttons

MODULE 3

Working with Cases and Exhibits

- Add a case
- Add a firearm exhibit
- Add a cartridge case exhibit
- Exhibit Categories

MODULE 4

Starting an Acquisition

- Prepare a cartridge case for acquisition
- Start an acquisition

MODULE 5

Acquiring Ejector Mark Images

- Identify an ejector mark
- Acquire ejector mark images

MODULE 6

Acquiring Centerfire Cartridge Case Images

- About breech face marks
- Orienting and positioning a cartridge case for image acquisition

MODULE 7

Validating Centerfire Cartridge Case Images

- Use the Acquisition validation window toolbar buttons
- Modify the outline and ring placement
- Save or reject the acquired images
- Use the Manual Override mode

MODULE 8

Acquiring images of Rimfire Cartridge Case Firing Pin Impressions

- Identify rectangular and circular rimfire firing pin impressions
- Acquire images of rectangular rimfire firing pin impressions
- Acquire images of circular rimfire firing pin impressions
- Validate rimfire cartridge case firing pin images

MODULE 9

Submitting and Synchronizing Cases

- Submit a case
- Understand the difference between automatic and manual synchronization
- Synchronize a case manually

MODULE 10

Using BRASSTRAX Tools

- Perform a search and a quick search
- View exhibits from search
- Filter cases
- Open the Help file
- Remove a cartridge case from the cartridge case holder
- Customize data lists
- Customize keyboard shortcuts

MODULE 11

Administration

- Perform a system backup
- Identify the three user roles
- Set your user preferences
- Use the Tests and Adjustments window
- Tune-up the Acquisition Unit
- Access system messages

MODULE 12

Best Practices

- Trace wide ejector marks
- Position the ejector mark when the ejector strikes close to the primer
- Minimize washout and flowback
- Position cartridge cases according to striae
- Use the bridging technique
- Trace around headstamps
- Work with superimposed double firing pin and ejector strikes

MODULE 13

Proficiency Test

- Understand what the Proficiency Test is
- Prepare the reference and test exhibits
- Run the Proficiency Test
- Consult the report