

NIBIN NEWSLETTER

Editor: Karen Molina

Call for Articles

We would like to have our users provide an article for the next Newsletter. This is a good way for you to bring attention to your lab or department and highlight your successes or a topic that might be of interest to others. Please contact Karen Molina at the NIBIN Branch or Nanette Rudolph at the Florida Department of Law Enforcement if you would like to provide an article. Email your suggestions or articles to: Karen.Molina@atf.gov or nanetterudolph@fdle.state.fl.us

NIST Presentation at FTI- Largo, Florida

During the Users Congress Meeting that was held in January, 2008, NIST provided an informational presentation to Congress Members on the "Golden Image." The Golden Image was created by Martin Ols of the National Laboratory Center of ATF. It is a set of the best IBIS images for NIST SRM 2460/2461 Standard Bullets and Casings and it is used as a reference standard for IBIS correlations at local laboratories to ensure national measurement traceability, measurement quality control and laboratory accreditation. A set of "Golden Images" for SRM Standard Bullet was established in 2006 and includes six IBIS images on six land engraved areas (LEAs) These images were picked on the maximum IBIS scores from 39 SRM bullet correlations at ATF.

Each land image is from a different SRM bullet, created from six master bullets. Three from ATF and three from FBI. SRM 2461 Standard Casing The master casing was provided by the National Laboratory Center of ATF. The use of electro-forming produced 256 SRM standard casings and they all have an identical signature. The first shipment of 31 SRM casings was on July 13, 2007. Why do we need the Golden Image? Because of the ISO 17025: 2005 "General requirements for the competence of testing and calibration laboratories" ASCLD/LAB 2006 Supplemental Requirements. An estimation of uncertainty of measurement is required for quantitative tests and to establish and be able to show objective

evidence that measurement standards are traceable to the National Standards and SI Units Traceability "Property of the result of a measurement or the value of a standard whereby it can be related to the stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties."

Three Key Issues for Establishment of Measurement Traceability

1. A reference standard
2. An unbroken chain of comparisons or measurements
3. All having stated uncertainties

Karen Molina
Program Analyst
NIBIN Branch

Matchpoint+2.2 Functional Review

Ben Wilson and Martin Ols performed a check on the Matchpoint + 2.2 in November 2007 in Montreal. With this new equipment, the approximate time for acquisitions is 7 minutes for cartridge cases and 16 minutes for bullets. The seven points highlighted to Congress Members were the following:

1. Size of Images in MultiViewer
-Default setting can be used to set preferences
2. Navigation between test exhibits (side-by-side viewer)
-All side-by-side view comparison tools are available.
3. Cartridge case in "Best Match" or "Acquisition Position"

-Works for both cartridge cases and bullets.

4. Correlation Result Filtering
-Effectively consolidates the top ten for firing pin/breechface/ejector
5. Users Preferences
-Unique to each other and administrator can set a default value.
6. Reports
-Predefined and Custom Templates
7. Printing
-Reports, Correlation results, and side by side comparisons.

Ashleigh Vogel
IBIS Technician
Michigan State Police

NIBIN Executive Committee Voting Results

After the nomination process and voting at the Users Congress Meeting held in Largo, Florida in January, the following individuals have been selected to represent the Users Congress Executive Committee:

Chair: Nanette Rudolph, Florida Department of Law Enforcement

Vice Chair: Ed Jachimowicz, Connecticut Department of Public Safety

Secretary: Ashleigh Vogel, Michigan State Police

Appointments made by Madam Chair:

Standards Committee Chair: Caryn Tucker, Illinois State Police

Training Committee Chair: Tom Matsudaira, Orange County Sheriff

Bylaws Committee Chair: Darrell Stein, Houston Police Department