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CODIS and NDIS Update

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NDIS Architecture

201 Sites = 147 LDIS and 54 SDIS

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NDIS Statistics

Category	Total Number of Profiles
Convicted Offender	13,331,049
Multi-Allelic Offender	219
Arrestees	3,210,059
Detainees	26,645
Legal	91,700
Forensic	662,138
Forensic Mixture	80,476
Forensic Partial	128,500
Total Offender	16,659,667
Total Forensic	871,114
Total Profiles	17,530,781

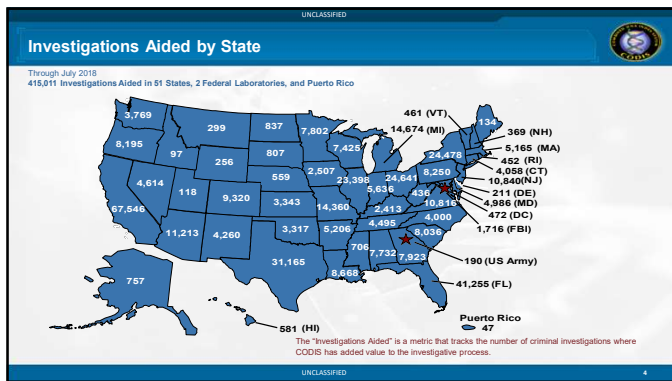
*Through July 31, 2018**

- 415,011 Investigations Aided
- 314,636 Offender Hits
 - Crime scene to offender within a state
- 48,290 National Offender Hits
 - Crime scene in one state to an offender in another state
- 65,829 Forensic Hits
 - Crime scene to crime scene

*Numbers represent confirmed matches where CODIS helped provide new information to a case

Number of Profiles added in 2017:
 422,536 Convicted Offender Profiles
 370,826 Arrestee Profiles
 73,360 Forensic Profiles
 43,206 Investigations Aided

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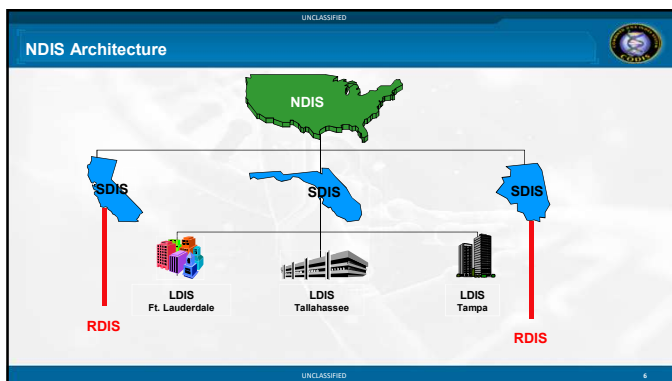
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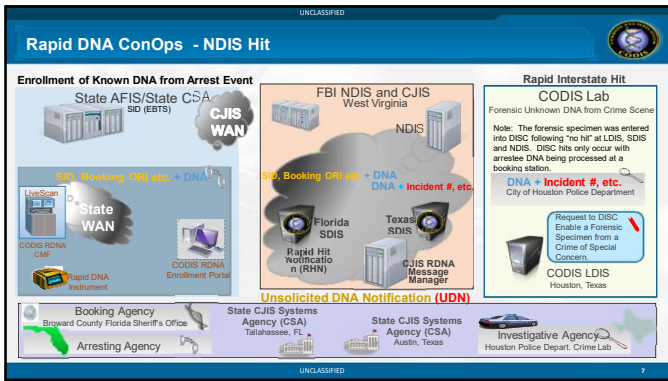
Rapid DNA Act of 2017

- Signed into Law on August 18, 2017, Public Law 115 - 50 amends Sections 12591 and 12592 of Title 34* of the United States Code relating to quality assurance standards and the national DNA identification index.
- Defines "Rapid DNA instruments"
 - "Instrumentation that carries out a **fully automated** process to derive a DNA analysis from a DNA Sample"
 - Fully Automated - (hands free) process of developing an STR profile. The "swab in – profile out" process consists of automated extraction, amplification, separation, detection and allele calling without human intervention.
- Authorizes the FBI Director to:
 - Issue standards and procedures for the use of Rapid DNA instruments and resulting analyses
 - The National DNA Index System to include DNA identification records and DNA analyses by criminal justice agencies using Rapid DNA instruments approved by the FBI Director in compliance with such standards and procedures.

* Previously codified at 42 U.S.C. Sections 14131 and 14132

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- FBI's approach to Implementation of the Rapid DNA Act**
- The FBI set goals in 2018 to ensure efficient progress in implementing the Rapid DNA Act of 2017
 - CODIS 8.0 (Rapid DNA enhancements)
 - Draft Authority to Operate for Rapid DNA in Booking Stations
 - Draft Rapid Quality Assurance Standards for Booking Stations
 - Draft Rapid DNA Procedures for Booking Stations
 - Draft Pilot Plan and Schedule for 2019 Pilots
 - Rapid DNA Pilot and Implementation Steering Comm (AZ, CA, FL, LA and TX)
 - Monthly Conference Calls: Identify issues, Gaps and Share information
 - August 2018 In-Person Meeting with over 30 State and Local Law Enforcement Attendees
 - 2019 Pilot planning under way

Rapid DNA Webpage

- Rapid DNA Webpage was completely redesigned in October of 2017
- <https://www.fbi.gov/services/laboratory/biometric-analysis/codis/rapid-dna>
- [RapidDNA@fbi.gov](https://www.fbi.gov/services/laboratory/biometric-analysis/codis/rapid-dna)

The screenshot shows the FBI's Rapid DNA webpage. The header includes "SERVICES" and "Rapid DNA". The main content area is titled "Rapid DNA" and contains "General Information" and "Background on FBI Rapid DNA Efforts". The text describes the Rapid DNA Act of 2017 and the FBI's implementation goals, including the use of CODIS 8.0 and the establishment of a Rapid DNA Pilot and Implementation Steering Committee.

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NDIS Procedures on Rapid DNA

- Rapid DNA System is a **fully automated** combination of
 - STR Kit/Rapid DNA Cartridge (chemistry)
 - Instrument (hands)
 - Expert System (brain)**
- NDIS approval of first Rapid DNA System for use in an **accredited laboratory for known reference buccal swabs** that contains the 20 CODIS core loci on June 1, 2018

The screenshot shows the FBI website with the following sections highlighted:

- NDIS Operational Procedures Manual:** The responsibility of the FBI is to ensure that the NDIS system is properly implemented and maintained.
- Quality Assurance:** The Quality Assurance (QA) program is designed to ensure the accuracy and reliability of the NDIS system. This includes regular audits and testing of the system.

Component	Name	Purchase Number
Rapid DNA Instrument	ANCO-80 Instrument	ANCO000001
STR Kit	FastPath2	FAST000001
Cartridge	ANCO-80 Cartridge	ANCO000001
System Software	ANCO System Software	21.0
Expert System Software	ANCO Expert System	21.0

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Approval of Rapid DNA Systems – Accredited Lab and Booking Station

- Initially, Rapid DNA Systems will be approved for Accredited DNA Laboratory Use until all the communication capabilities are in place
- After communication capabilities are in place and tested, a version of the Booking Rapid DNA System (AEF, Rapid CMF) will be approved for booking station use.

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CODIS Web Site

- <https://www.fbi.gov/services/laboratory/biometric-analysis/codis>
- FBI's Quality Assurance Standards
- NDIS Operational Procedures
- Rapid DNA
- CODIS and NDIS Fact Sheet
 - frequently asked questions

The screenshot shows the FBI CODIS website with the following sections visible:

- SERVICES:** A navigation menu with options like Home, About, Services, and Contact Us.
- Combined DNA Index System (CODIS):** A main content area with a large 'CODIS' logo and introductory text.
- Overview:** A section providing a general overview of the CODIS system.
- History:** A section detailing the history of the CODIS system.

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UNCLASSIFIED 11
