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CODIS and NDIS Update


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2

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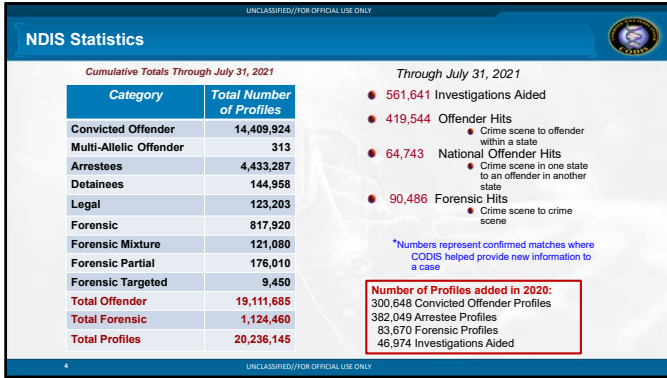


NDIS Statistics

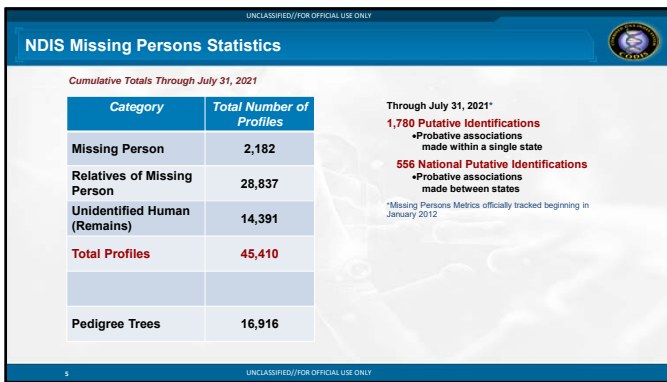
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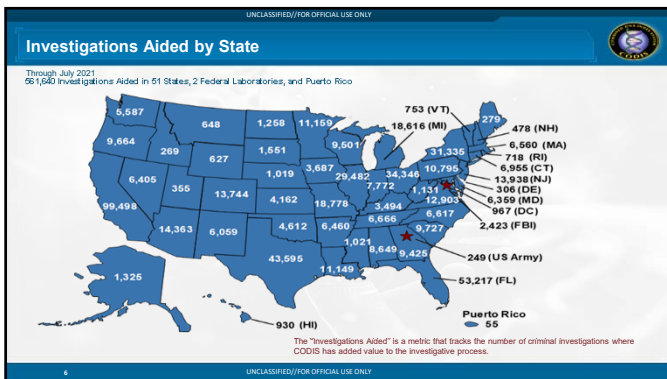
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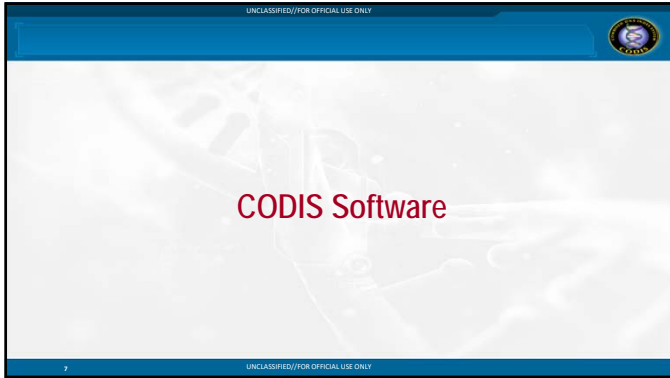
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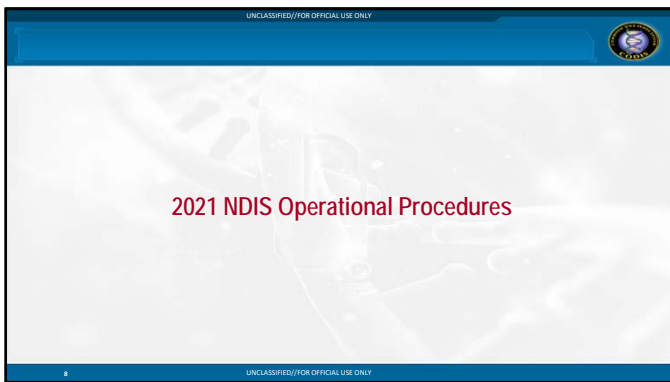
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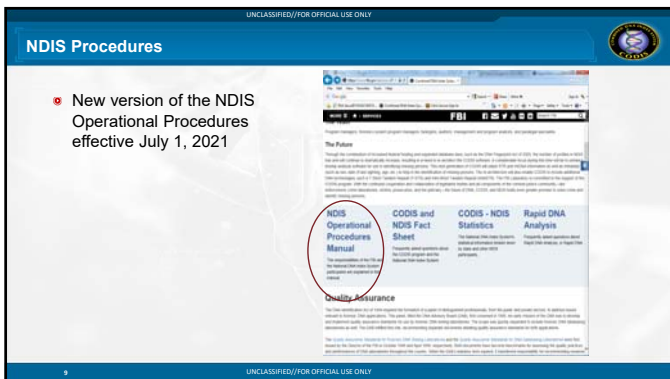
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9

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2021 Revisions 10

- Non-substantive typographical revisions
- Added Section 3.1.1.2 on DISC-enabled Forensic Unknown DNA Records
- Restructuring/Revision of Rapid DNA sections in Chapter 4
- Addition of approved PCR STR kit to Appendix E
- Clarification added to Appendix F on modifications to NDIS approved PCR kits
- Added definitions of laboratory support personnel and technician to Glossary as part of Rapid DNA restructuring

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10

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Restructuring of Rapid DNA Sections 11

Section 4.6 Rapid DNA Analysis Systems

Section 4.6.1 Approved Use of Modified Rapid DNA Analysis in an Accredited Forensic DNA Laboratory

Section 4.6.2 Procedures for NDIS Approval of Rapid DNA Systems and Rapid DNA Booking Systems

- **Section 4.6.2.1** NDIS Approval of a Rapid DNA System
- **Section 4.6.2.2** NDIS Approval of a Rapid DNA Booking System

Section 4.6.3 Approved Use of Rapid DNA System and Rapid DNA Booking System (NDIS Approved)

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Rapid DNA Additions 12

Appendix E: Added **ANDE's FlexPlex27 (A0210001057)** as an PCR STR kit accepted as NDIS.

APPENDIX E³⁷
PCR STR Kits Accepted at NDIS³⁸

PCR STR Kits Accepted at NDIS	
Manufacturer	Kit Name
ANDE	FlexPlex27 (A0210001057)
Life Technologies (AB)	AmpF/STR® Profiler Plus® (Part Number 4303326)
Life Technologies (AB)	AmpF/STR® COfiler® (Part Number 4305246)
Life Technologies (AB)	AmpF/STR® Profiler Plus® and AmpF/STR® COfiler® (Part Number 4305979)
Life Technologies (AB)	AmpF/STR® Profiler Plus® ID (Part Number 4330284)
Life Technologies (AB)	AmpF/STR® Profiler Plus® ID and AmpF/STR® COfiler® (Part Number 4330621)
Life Technologies (AB)	AmpF/STR® Identifier® (Part Number 4322288)
Life Technologies (AB)	AmpF/STR® Identifier®Direct (Part Number 4408580)

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NDIS Procedures Revisions

Appendix F: Clarified what to do for modifications to PCR kits.

F.2 Request for Approval of New PCR Loci or New/Modified PCR Kits

A request to add a new locus or a new PCR kit shall be submitted by an NDIS participating laboratory to the NDIS Custodian and include the appropriate documentation.

The NDIS Custodian shall be contacted for any changes or modifications to a PCR kit previously approved for use at NDIS.

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NDIS Procedures Revisions

Appendix H: Requirements for Rapid DNA in the Booking Environment was deleted.

These requirements are available on the FBI's CODIS web site under "Rapid DNA".

Standards for the Operation of Rapid DNA Booking Systems by Law Enforcement Booking Agencies and the National Rapid DNA Booking Operational Procedures Manual took effect September 1, 2020.

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NDIS Procedures Revisions

Glossary: Added in definitions for laboratory support personnel and technician.

Highlights:
Those individuals can operate an NDIS approved Rapid DNA System.

Definitions are consistent with QAS Definitions.

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2020 Quality Assurance Standards

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2020 QAS Documents



The 2020 QAS documents are available on the FBI website:
<https://www.fbi.gov/services/laboratory/biometric-analysis/codis>

Quality Assurance

The DNA Identification Act of 1994 required the formation of a panel of distinguished professionals, from the public and private sectors, to address issues relevant to forensic DNA applications. The panel, the DNA Advisory Board (DAB), first convened in 1995. An early mission of the DAB was to develop and implement quality assurance standards for use by forensic DNA testing laboratories. The panel was quickly expanded to include forensic DNA databasing laboratories as well. The DAB submitted two sets of recommendations, separate documents detailing quality assurance standards for both applications.

The Quality Assurance Standards for Forensic DNA Testing Laboratories and the Quality Assurance Standards for DNA Databasing Laboratories were first issued by the Director of the FBI in October 1998 and April 1999, respectively. Both documents have become benchmarks for assessing the quality practices and performance of DNA laboratories throughout the country. When the DAB's statutory term expired, it transferred responsibility for recommending revisions of these quality assurance standards to the Scientific Working Group on DNA Analysis Methods (SWGDAM).

The DNA Identification Act of 1994 also required that the FBI Laboratory ensure all DNA laboratories that are federally operated, receive federal funds, or participate in the National DNA Index System (NDIS) demonstrate compliance with the standards issued by the FBI. Typically, documentation of a laboratory's compliance with a stated standard has been measured through an audit process. Such audits have been performed by forensic scientists, either internal or external to the laboratory, and serve to identify compliance with established standards.

Active with the July 2020 audit documents and for audits conducted in accordance with the quality assurance standards (QAS) effective July 1, 2020, audit guidance can be located in the QAS guidance document.

Please direct questions regarding training for the quality assurance standards to GAS@fbi.gov.


QAS Revisions Effective July 1, 2020	National Emergency QAS Addenda Effective July 1, 2020
<ul style="list-style-type: none"> • Quality Assurance Standards for Forensic DNA Testing Laboratories • Quality Assurance Standards for DNA Databasing Laboratories • Audit Document for Database QAS • Audit Document for Forensic QAS • QAS Guidance Document 	<ul style="list-style-type: none"> • FBI Notice on QAS Relief • National Emergency QAS Audit Document

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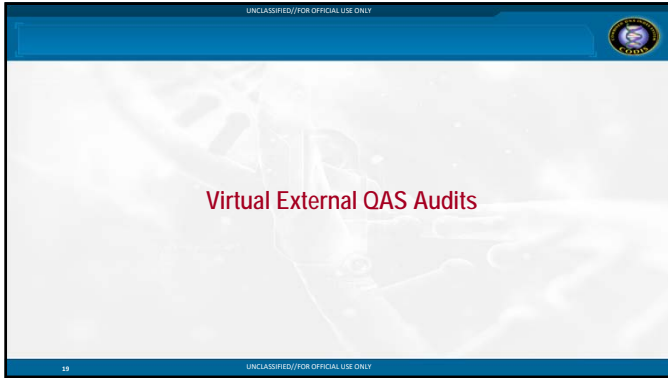
2020 QAS Guidance Document



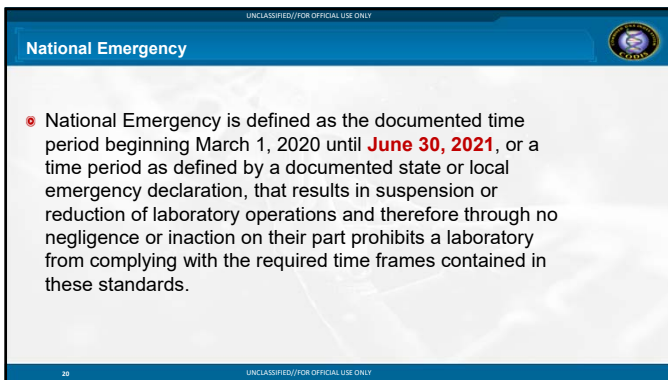
- With the 2020 QAS revisions, the QAS discussion sections for the Forensic and Databasing Standards, formerly part of the Audit Documents, have been transitioned into the **QAS Guidance Document**
- The QAS Guidance Document provides additional information to assist in the interpretation and application of the standards. The QAS Guidance Document should be consulted for additional clarification as a secondary resource
- Any questions regarding the FBI's Quality Assurance Standards, please contact:
QAS@fbi.gov

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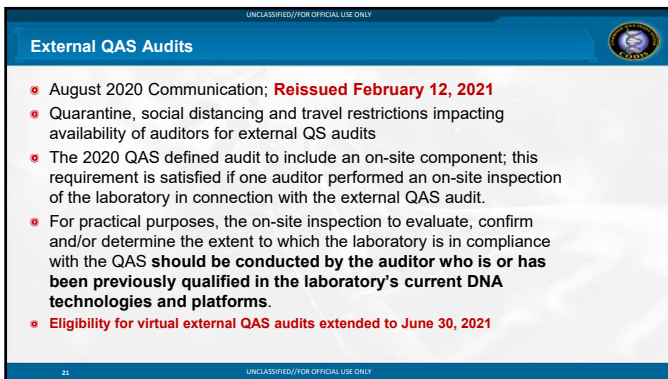
18



19



20



21

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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




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23