	CODIS Profile Management	
Status:Published	-	Document ID: 1249
DATE EFFECTIVE	APPROVED BY	PAGE
08/29/2017	CODIS Manager	1 OF 16

# **4.0 PROFILE MANAGEMENT**

# 4.1 **CODIS Identification Number (Specimen ID Number)**

- 4.1.1 Each profile entered into CODIS will have a unique identifier. Only letters and numbers will be used in the body of the description. Do not use any other spaces or any other characters, except a dash (-), period, or grant-tracking special characters (# or \$) when indicated below. The standardized format for entering specimen information into CODIS is as follows:
- 4.1.1.1 The first eight to ten characters will encompass the Forensic Biology laboratory number (last two digits of the year, followed by a dash, followed by a four digit number if the case is from 2006 or earlier, or a five digit number if the case if from 2007 or later) followed by a dash. If the specimen is from a contract laboratory the year will be preceded by a laboratory abbreviation (Bode Technologies (BT or BTB), Cellmark Diagnostics (CD) or Genescreen (GS).
- 4.1.1.2 Vouchered items: add the last three digits of the voucher followed by a dash.
- 4.1.1.3 Post mortem items: add PM followed by the item number followed by a dash.
- 4.1.1.4 The final set of characters will be reserved for sample type and identification:
- 4.1.1.5 Out-of-jurisdiction cases: add "OOJ" followed by a dash.
- 4.1.1.6 Stained items (sheets, clothing, etc.): add a few (2 to 6) letters and/or numbers that describe the item, the item number, and the stain designation followed by a dash. If there is only one item of that type in the case (e.g. one pair of jeans, one beer bottle, or one baseball cap) the specimen ID need not contain the item or stain number. This segment may need to be shortened to help the Specimen ID comply with the 24-character upper limit. When a case has multiple CODIS profiles, attempt to create specimen ID's that are easily told apart, e.g. REDCAP and BLUCAP rather than CAP1A and CAP1B. This can help make subsequent match review and notification easier to perform. For stains with differential extractions the designations below will apply to the fractions.
- 4.1.1.7 **Sexual assault kit items:** the abbreviated descriptions for source and differential extraction fraction (if appropriate) below must be used. Stain designations or the dried secretion swab numbers should NOT be used unless there are multiple DNA contributors from the same case on the same sample type, and samples need to be distinguished from one another:

# CODIS Profile ManagementStatus:PublishedDocument ID: 1249DATE EFFECTIVEAPPROVED BY08/29/2017CODIS Manager2 OF 16

Dried secretions swabs described as DS Oral swabs or smears described as OS Vaginal swabs or smears described as VS Vulvar swabs or smears described as VU Cervical swabs or smears described as CS Anal swabs or smears described as AS Perianal swabs or smears described as PA Penile swabs or smears described as PS Underwear described as UW Sperm fraction described as SF Epithelial fraction described as EF Substrate/swab remains fraction described as SR

# 4.1.1.8 <u>Missing and Unidentified Persons Cases:</u> the specimen ID will follow the same general format as other casework:

- Case number followed by a dash.
- For vouchered items, add last three digits of the voucher followed by a dash.
- To differentiate between sample types, use **R** for Relatives of Missing Persons, **M** for Missing Persons (or Deduced Missing Persons) samples, and **U** for Unidentified Human Remains.
- **\$** for cases worked with grant-funded supplies
- 4.1.1.9 **Relatives of Missing Persons:** the abbreviated descriptions below will be used for samples from relatives. If more than one sibling, other maternal relative or other paternal relative is submitted, designate each with a number after the abbreviated description:
  - Mother described as **M**
  - Father described as **F**
  - Biological Sibling (brother or sister) described as S
  - Other Maternal Relative described as **OM**
  - Other Paternal Relative described as **OP**
  - Spouse (other parent of child(ren) in common) described as SP

		CODIS Profile Management	
Status:Published		-	Document ID: 1249
DATE EFI		APPROVED BY	PAGE
08/29/	/2017	CODIS Manager	3 OF 16
4.1.1.10	followed by	ersons: add 4-5 letters describing the item, item nuy a dash. This segment may need to be shortened to h the 24-character upper limit.	
4.1.1.11	<u>Unidentifi</u>	ed Human Remains: utilize "PM" followed by a	dash
4.1.1.12	created, fol	<b>Trees</b> : case number followed by a dash; four nume lowed by a dash; and the letters "PT". For a pedig ated January 23, the pedigree tree ID would be 14-	gree tree for case FB14-
4.1.1.13	should be c	<b>ded cases</b> : add the special character followed by a smitted from the specimen ID if neither condition a sistance determines which symbol is used, it cannot	applies. The first instance
	• # - for case	s worked on weekend overtime grant money	
•	• \$ - for case	s worked with grant-funded supplies	
4.1.1.14	Case type	indicator: the last notation is a pair of letters indic	eating the case type.
	BU bu DR dr	sault, attempted homicide, and related cases arglary and related cases ug possession and related cases omicide cases	
	MP m	issing and unidentified persons cases bbery, attempted robbery, and related cases	
		xual assault and related cases eapons possession and related cases	
	AU au	to theft (grand larceny auto), unauthorized use of the for any case type not covered above	vehicle, and related cases
4.1.2	Examples	▼	
•	A	case no: FB07-00022, voucher N123456, item # ecimen ID number will be: 07-00022-456-PS1B	
•	*	case no: FB00-1257, post mortem kit item PM 2 n, homicide. Specimen ID number will be: 00-12	<b>U</b>
	Example ?	- 2022 no: ED08 01024 yougher D124580 item #	1D. glove coronings

• <u>Example 3</u>: case no: FB08-01034, voucher P124589, item #1B: glove, scrapings, burglary, examined on a weekend. Specimen ID number will be: 08-01034-589-GLSCR-#-BU

Г

Status:Published		CODIS Profile Management	Document ID: 1249
DATE EFFE		APPROVED BY	PAGE
08/29/20	)17	CODIS Manager	4 OF 16
		case no: FB11-05500, voucher 1000099832, iter e amped using primers purchased on grant. Specin <i>CB1-\$-AU</i> .	
	assault kit u	Cellmark Diagnostics backlog case CD01-0001, inderwear stain, sperm cell fraction, sexual assault 201-0001-123-UWSF-SA	
		case no: FB11-01234, bone, PM1, unidentified h will be: <i>11-01234-PM1-U-MP</i>	uman remains. Specimen
		case no: FB04-1234, voucher number K123456, rson. Specimen ID numbers will be: 04-1234-456- MP	
	CODIS. Th	naximum limit of 24 characters for the specimen is the above specimen identification system should not ry to distinguish two samples, or under unusual ca	ot be deviated from unless
	for suspect IDs of the f	files entered into LDIS will have specimen IDs of files from 2007 and later (suspects from 2006 and orm XXX-00-S000) This special format is intend hers from placing the suspect in the wrong index y uploaded.	earlier will have specimen ed to prevent the CODIS
	<b>00000.</b> Thi placing an e accidentally when there	<b>profiles entered into LDIS will have specimen</b> s special format is intended to prevent the CODIS evidence profile which is ineligible for NDIS, into uploaded past SDIS. Extensions such as –MDA is more than one LDIS Only profile for a case, to two. The specimen category for LDIS Only prof	team and others from an index where it might be or –FDA may be added aid in distinguishing
	This format profiles in t	profiles entered into LDIS will have specimen I is intended to prevent the CODIS team and other he wrong index where they might be accidentally ity of the personnel whose profiles these are.	s from placing these known
		Guidelines for Entering STR Profiles	into CODIS (see also
	Procedures Biology ST	for determining STR typing results are detailed in R manual.	the current Forensic
		ofiles and mtDNA sequences that are CODIS eliginary to entry into LDIS. The technical review include	

Γ

Status:Published DATE EFFECTIVE 08/29/2017		APPROVED F CODIS Manag	
			ity of the DNA profile for CODIS, as well as r elimination samples have been requested at
4.2.3			tional technologies as needed must be for that sample's data to be eligible for
4.2.4	Eligibility	for upload	
4.2.4.1	profile is a match rarit by the case of size N to rarity is gre suitable for only sampl	mixture or a partial profile, the y of approximately one in the size analyst using the CODIS Matco the current database size round eater than one, the profile shoul r comparison only. NOTE: With	d loci are necessary for entry into LDIS. If the profile must satisfy a statistical threshold for ize of the LDIS database. This is determined the Estimation Utility and setting the database ded up to the next ten thousand. If the match d not be entered into LDIS and will be deem hout data at at least 6 CODIS core loci, LDIS some samples with non-Fusion loci (e.g. rofiles typed in Identifiler).
4.2.4.2	CODIS in o Forensic M match rarit by the case of size N to	order to be uploaded to SDIS. A lixture and Forensic Partial inder y of approximately one in the size analyst using the CODIS Mate of the current database size round y is greater than one, the profile	CODIS core loci are necessary for entry into dditionally, all profiles intended for the exes must satisfy a statistical threshold for ize of the SDIS database. This is determined th Estimation Utility and setting the database ded up to the next hundred thousand. If the e is eligible for LDIS only. SDIS has no MM
4.2.4.2.1	uploaded to Forensic Pa approximat analyst usin the current threshold so	o NDIS. Additionally, all profile artial indexes must satisfy a stat tely one in the size of the NDIS ng the CODIS Match Estimatio database size rounded up to the et in and automatically calculat	CODIS core loci are necessary in order to b es intended for the Forensic Mixture and tistical threshold for match rarity of database. This is determined by the case n Utility and setting the database of size N to e next million. The profile must also clear th ed by the CODIS software upon entry, of a than or equal to 10,000,000 (1e7) for NDIS.
4.2.5		g Persons and Unidentified Hur lus Amelogenin are necessary fo	man Remains cases, the following minimum or upload into CODIS:
	• Unidentifie	ed Human Remains: 6 for SDIS	, 7 for NDIS

٦

Г

Status:Publisl	ned	CODIS Profile Management	Document ID: 1249
	EFFECTIVE	APPROVED BY	PAGE
	29/2017	CODIS Manager	6 OF 16
4.2.6	The DNA 1	f Missing Persons: 13 for SDIS and NDIS result from each locus will be entered on the DB Propriet or heterozygotes (in ascending order) and p, p for h	
4.2.7	TH01 6, 7		
	source DN. is used, the	A profiles, this is allowable only as described in se profile must be placed in the Forensic Partial, For or LDIS Only index.	ction 4.3.6. If this option
4.2.7.1	CODIS dat samples up	ntion may not be used for any known/exemplar san abase, whether they are LDIS categories such as S loaded to SDIS/NDIS, including Missing Persons, d Unidentified Human Remains samples.	uspects or LabTypes, or
4.2.8	Forensic m	ixture profiles shall not have more than 4 alleles at	t any locus.
4.2.8.1	allow for g Forensic U	an two alleles per locus (with the exception of one enuine trisomy) may be used for DNA profiles in t nknown, Forensic Partial, Missing Persons, Relati- ab Types, and Unidentified Human Remains.	he specimen categories:
4.2.9	Only DNA data derived from analysis of NDIS accepted PCR loci/systems shall be entered into CODIS. NDIS accepted PCR loci/systems are referenced in the <i>FBI NDIS Standards for Acceptance of DNA Data</i> .		
4.2.10	Forensic Biology Laboratory reports that contain results eligible for entry into CODIS contain a statement indicating that this information has been added to and will be maintained in the CODIS system.		
4.2.11	eligible for searching,	profiles developed using Low Copy Number ampli- entry into NDIS. They can, however, be uploaded via the Low Copy Number specimen category of the pples in this SDIS Index are unmarked for any furt	l to NY-SDIS for ne Forensic SDIS Only
4.3	Guidelin	es for Entering STR Profiles Derived	from Mixed
	Samples	into CODIS (see also table at the end of the	nis section)
4.3.1		mixtures refer to the situation where the DNA proto of alleles from more than one individual.	file from the evidence is
4.3.2	As many lo database.	ci and alleles as possible should be included in the	e profile submitted to the
Controlle		artment of Forensic Biology Manuals only exist in the l oftware. All printed versions are non-controlled copies.	

software. All printed versions are non-controlled copies. © NYC OFFICE OF CHIEF MEDICAL EXAMINER

٦

Γ

Status:Published DATE EFFECTIVE		APPROVED BY	Document ID: 1249 PAGE
	29/2017	CODIS Manager	7 OF 16
4.3.3	aids in mod matches po are returned 15; and 14,	us can be only partially deduced, use of the ob- erate stringency searches by preventing some ssible at mixed lociUse of required alleles lin in a search. For example, a 13, 14, 15 would 15. If the mixture were entered as 13, 14+, 15 the other profile: a 14; a 13, 14; or a 14, 15.	of the spurious moderate mits the possible matches tha match 13; 14; 15; 13, 14; 13,
NOTE:	moderate str the 13 and 13 search config being detected	OTE REGARDING OBLIGATES: a 13, 14+ ingency because the 14 does not appear in the 5 are in both samples. Assuming one non-ma guration, one such instance as described would ed, however two such instances in the same pa om being detected.	second sample; even though the thing locus is allowed in the d not prevent a match from
4.3.4	the discretion exists at that	y be designated inconclusive ("INC") on the I on of the interpreting analyst and the technical t locus (see section for Type II mixtures below still be used in the confirmation process once	reviewer(s) if an ambiguity <i>w</i> ). This locus, however, can
4.3.5	profile of a or the major	ture - the results are such that it is possible to contributor at 6 or more loci. The deduced pr component will be entered into LDIS. If the he Match Estimation threshold.	ofile of the major contributor
4.3.5.1	six or more	allele intensities are such that the minor comp loci will the deduced DNA profile of the minor profile is partial or a mixture, it must meet the	or component be entered into
4.3.6	complete pr contributor at all deduc the obligate of possible	<b>xture -</b> the results are such that it is not possible offile of a contributor at all loci; the allele inter can be deduced at some loci but not at other loced loci. Any loci that cannot be deduced can be allele indicated on the DNA Profile Evaluation allele sharing, include any alleles that might be even if the victim also has those alleles.	nsities are such that the oci. Enter the deduced allele be entered as a mixture with on Form with a "+". Because
4.3.6.1		vo options for entering partially known loci w at locus are confirmed.	hen not all of the possible
	This may be loci, and the	ture – <b>option one</b> for entry of a mixture locus e the method of choice when your profile cont e loss of one or two loci still leaves a profile w threshold and expected to meet the uniqueness	ains good data at most of the which meets the Match

	CODIS Profile Management	
Status:Published		Document ID: 1249
DATE EFFECTIVE	APPROVED BY	PAGE
08/29/2017	CODIS Manager	8 OF 16

Type II mixture – **option two** for entry of a mixture locus: If only one of the potentially two alleles of the profile at that locus can be determined (due to LCN interpretation rules) or after all attempts to get results for a clearly visible but below threshold peak have failed, enter the one known allele with a "+". This is a CODIS method of designating that "another allele may be present at this locus." The advantage of listing one known allele over none or "INC" is that a match might be found at moderate stringency, but will prevent at least most of the spurious candidate matches which might occur if nothing at all is entered for that locus.

For example, a 10+ would match 9, 10; 10, 10; 10, 11... but would preclude anything that contained no 10 allele, for example, 9, 9; 9, 11; 9, 12... would not match, in contrast to an "INC", or no entry at that locus, which would allow any allele to appear at that locus and not be a mismatch.

This option is only meant to enhance a limited number of loci in a profile, for instance to enable a profile with 9 loci to meet the minimum amount (10 loci) needed in order to be searched at NDIS instead of being stopped at SDIS. Certain criteria must be met and documented in the case record in order to justify using this method:

- Documentation from the CODIS Match Estimation Utility which estimates that the number of moderate matches a profile will generate in a database of a given size N is  $\leq 1$ , despite its being a mixture and/or partial in nature.
- For database size *N*, use the current LDIS, SDIS, or NDIS size, rounded up to the next 10,000, 100,000 or 1,000,000, respectively.
- This is the one and only instance on a DNA Profile Evaluation Form when a single allele is entered in the box for that locus. The "+" must also be present.
- The interpreting analyst and/or technical reviewer(s) submitting such a profile may be called upon to evaluate all candidate matches found when the profile is searched.

# 4.4 Entering STR Profiles into LDIS

4.4.1 CODIS eligible profiles will be entered into LDIS by CODIS software-trained staff only. The profiles entered and/or imported into LDIS must fall into one of the following CODIS categories: Forensic Unknown; Forensic Mixture; Forensic Partial; Forensic SDIS Only; Low Copy Number; Suspect, Known; Missing Persons Index; the Relatives of Missing Persons Index or the Unidentified Human (Remains) Index) (see section 1.0 -CODIS Terms and Abbreviations for definitions; for procedural guidelines on how to enter a profile into LDIS, see the *FBI CODIS Training Manual or the relevant module in the online LMS*). For a list of NDIS-approved STR PCR kits, consult the current version of *NDIS Operational Procedures Manual*.

Status:Published		CODIS Profile Man	agement	Document ID: 1249
DATE EFFECTIVE		APPROVED B	Y	PAGE
08/29/2		CODIS Manage		9 OF 16
4.4.2	consensual be unambig tested and c	tching the victim or elimination sex partner) unambiguously wil uously attributed to the victim of compared to the profile in questi use information that the profile i	l not be entered into r elimination sample on. It is not sufficient	CODIS. For a profile to e, an exemplar must be <i>nt to make an assumption</i>
4.4.3	example, a and the vict discretion of determinati	t are clearly unrelated to a case of semen profile from a condom fr im is excluded as the female con- f the appropriate Assistant Dire on can be aided using the CODI to the Forensic Index at NDIS.	om which a female p ntributor of DNA. T ctor and the CODIS	profile was determined This will be at the Program Manager. The
4.4.4		ect profiles reside in LDIS. <i>The</i> <i>nor are they eligible to be shar</i> CODIS.		
4.4.4.1	suspects in resulting pr	s may be created from decedent one or more criminal cases (wit ofiles will be entered into LDIS re and search conditions.	n case contacts from	NYPD or DAO). The
4.4.4.2	Local suspe	ect profiles will be entered into I	DIS (Suspect, Know	wn Index), unless:
•	any court o	executed court order dictates of rder or similar paperwork is reco nd provided a copy of the paper	eived, the OCME Le	
•		ar was submitted subsequent to he case for which it was submitt		fication and does
4.4.5	Entry of a p case record	profile into LDIS will be docume	ented on the DB Pro	file documentation in the
4.4.6	Upload of a profile to SDIS will be documented by including a copy of the CODIS Specimen Detail Report in the case record.			
4.4.7	entry will b	DNA profiles derived from evide e entered into the LDIS Only Commune the clothing of a suspect, or a	ODIS category (for e	example, a profile
4.4.8	Off ladder alleles above or below the allelic ladder are entered as $<$ (lowest allele at tha locus) or $>$ (highest allele), respectively. The official standardized NDIS allelic ladder			

Г

	CODIS Profile Management	
Status:Published	-	Document ID: 1249
DATE EFFECTIVE	APPROVED BY	PAGE
08/29/2017	CODIS Manager	10 OF 16

as listed. The current CODIS core loci are marked with an asterisk. The remainder of the listed loci are accepted but not required.

٦

	* CSF1PO <6, $6-15$ , >15 * D13S317 <8, $8-15$ , >15 * D16S539 <5, $5-15$ , >15 * D18S51 <9, $9-26$ , >26 * D21S11 <24.2, 24.2-38, >38 * D3S1358 <12, 12-19, >19 * D5S818 <7, 7-16, >16 * D7S820 <6, $6-14$ , >14 * D8S1179 <8, $8-18$ , >18 * FGA <18, 18-30, >30 * TH01 <5, $5-10$ , >10 * TPOX <6, $6-13$ , >13 * vWA <11, 11-21, >21 Amelogenin X,Y D19S433 <9, $9-17.2$ , >17.2 D2S1338 <15, 15-28, >28 Penta E <6 $6-24$ , >24 Penta D <2.2, 2.2-17, >17 D1S1656 <9, $9-20.3$ , >20.3 D2S441 <9, $9-16$ , >16 D10S1248 <8, $8-18$ , >18 D12S391 <14, 14-27, >27 D22S1045 <8, $8-19$ , >19 SE33 <4.2, 4.2-37, >37
4.4.9	Y STR loci are accepted in CODIS but are not routinely entered into LDIS.
4.4.9.1	Y STR data is occasionally entered for missing/unidentified persons, and for casework samples involved in partial match resolution.
4.4.9.2	For the list of Y STR loci accepted by CODIS, refer to the NDIS Operational Procedures Manual, Appendix D.
4.4.10	Off ladder alleles which fall within the lower and upper limits at each locus should be entered as determined by the analysis software (e.g. an allele called as 9.1 should be entered as $9.1$ , not $9.x$ ).
4.4.11	If a discrepancy exists on the DB Profile documentation (for example, the wrong specimen category is used, the reviewer's initials are missing, the specimen ID appears incorrect or is too long) the Interpreting Analyst (IA) and the technical reviewer(s) for that profile must resolve the discrepancy <b>before</b> the data from that profile is entered. If the discrepancy is discovered once the profile has already been entered, a modification

	CODIS Profile Management	
Status:Published	_	Document ID: 1249
DATE EFFECTIVE	APPROVED BY	PAGE
08/29/2017	CODIS Manager	11 OF 16

or deletion/re-import may be needed (case by case determination). Interpretation issues should be discussed with the appropriate Assistant Director.

# 4.5 **Modifying or Deleting an STR Profile from CODIS**

- Modification of data already entered into CODIS may be due to several reasons:
- Additional testing has been completed on the sample.
- An interpretation error was discovered regarding the profile.
- The specimen ID has an error such that the sample needs to be renamed, and the sample has not yet been sent to SDIS/NDIS.
- The profile could be improved by the addition of the obligate allele designator "+".
- 4.5.1 Once it has been determined that a profile must be modified in CODIS, a Profile Modification form should be filled out and submitted to the CODIS staff for processing. The original Profile Modification form will be maintained in the Profile Modification form binder and a copy will be added to the case record.
- 4.5.2 The format the modification request takes depends on the era from which the case comes originally.
- 4.5.2.1 Profile modifications for paper-only files should be submitted on the traditional paper form. This includes all Backlog and Biotracks cases, Forensic Biology cases FB12-03799 and earlier, and Forensic Biology suspect cases FB12-S0949 and earlier; with NO TESTING DONE WITHIN LIMS. An example would be the correction of a typographical error that is newly identified, or a further deduction of one or more loci using the original data, such as updating FGA from "24, 25.2, 29" to "24+, 25.2, 29", or a TPOX "7, uncalled blip" to "7+".
- 4.5.2.2 Profile modifications for LIMS-era files (FB12-03800 and later, and suspect files FBS12-00950 and later) must be submitted via the LIMS profile modification procedure, and a new dataset submitted for importing by the CODIS staff. The desired interpretation/dataset should include all loci desired in the final version in CODIS, even those not being changed.
- NOTE: NOTE OF CAUTION IF YOU ARE MAKING AN EXISTING LOCUS "INC": Sending a locus as "INC" (blank) in a new dataset from LIMS, where there was previously one or more alleles present in the previous dataset(s), will NOT result in that locus being over-written to be "INC" The technical reviewer who submits the modification MUST notify CODIS staff by email to ensure that the locus/loci in question

	CODIS Profile Management	
Status:Published	-	Document ID: 1249
DATE EFFECTIVE	APPROVED BY	PAGE
08/29/2017	CODIS Manager	12 OF 16

are modified by hand in CODIS. The email does NOT replace the need for the modification form.

- 4.5.2.3 Cases from the paper-only era that are being modified due to additional testing done during the LIMS era, should be treated as LIMS-era cases. The specimen ID must be **identical** to that already present in CODIS, to ensure the profile is updated and not present as two separate versions in the database. An example would be FB03-S567, with only Cofiler data, being updated using Identifiler; name as XXX-03-S567 and submit all 16 loci. The technical reviewer will notify CODIS staff that the profile being sent is an update to a previously-existing specimen. CODIS staff should document in LIMS and CODIS that although this is Dataset 1 from LIMS, that it is an update to a previously-existing specimen.
- 4.5.3 Any modification to a DNA profile once it has been entered into LDIS will be documented in the appropriate profile modification log.
- 4.5.4 Reasons for administrative removal/expungement might include:
  - A profile entered is later determined to be from a victim, witness, consensual partner, family member, etc.
  - Documentation is provided for legal expungement.
  - The specimen ID has an error such that the sample needs to be renamed, and the sample has already been sent to SDIS/NDIS.
  - A determination was made that the profile should not have been entered into CODIS due to a user problem (for example, the IA has failed a proficiency test during the time the data was generated) or a systemic laboratory problem.
  - Profiles from missing persons and/or relatives of missing persons are removed once a person is identified unless they will be needed to assist in identification of possible further remains and the data for the first-identified remain is not complete. Profiles from unidentified human remains will be removed only if the body recovered is intact.
- 4.5.4.1 Once it has been determined that a profile must be deleted from CODIS, a Profile Removal/Expungement Form must be filled out and submitted to the CODIS staff for processing. Unless there are time restraints surrounding the deletion (for example, in response to a court order requiring it before the next local upload; if so, an Expungement Request letter will be sent to the SDIS custodian), the deletion will be processed with the next upload to SDIS.
- 4.5.4.2 The original form will be maintained in the Case Deletion/Expungement form binder and a copy will be added to the case record. The deletion will also be recorded in the Upload Deletion/Expungement log at the time it is processed. The deletion portion of

1

Γ

Stature Deckli		CODIS Profile Management	Decument (D. 1240		
Status:Published DATE EFFECTIVE 08/29/2017		APPROVED BY CODIS Manager	PAGE 13 OF 16		
		liation report from the upload will also be print pungement form binder confirming that the de			
4.6	<b>Routine</b> S	<b>Routine Searches of LINKAGE and LDIS</b>			
4.6.1	Interpreting analysts and their technical reviewers will routinely compare appropriate preliminary DNA profiles to those in LINKAGE and LDIS. Indexes to be searched include Forensic Unknowns, Forensic Mixtures, Forensic Partial, Forensic SDIS Only, LDIS Only, Other (patterns), Unidentified Human Remains, Suspect Knowns, and Lab Types.				
4.6.2	LDIS autosearches will be conducted after the addition of new profiles into LDIS and before an upload to SDIS. This search will serve to ensure that no intra-laboratory DNA matches were overlooked, and to track local DNA hits using the CODIS system. LDIS autosearches will be performed by the CODIS staff only.				
4.6.3		All LDIS autosearches will be conducted at moderate or high stringency using a minimum of six core loci. The default setting is moderate.			
4.6.4		Samples with 10 or more loci will also be searched, allowing one locus to have either low-stringency or non-matching results ("one-mismatch search").			
4.6.5	matches no reviewed a analyst and	All LDIS candidate matches will be examined. The CODIS staff will investigate any matches not already documented and ensure that all proper notifications are prepared, reviewed and made expeditiously. The CODIS group may return such matches to the analyst and technical reviewers who submitted the specimen, and delegate the match notifications to them.			
4.7	<b>Uploading Profiles to SDIS/NDIS and Search Policies</b>				
4.7.1	New York performed Index and I high and m NDIS. Pro	iate LDIS profiles will be uploaded to SDIS by State local DNA laboratories upload to SDIS v shortly thereafter. Forensic STR Index, Unide Missing Person Index profiles containing 8 or r oderate stringency provided they meet the MN files with too few loci or having MME values we "Forensic SDIS Only" index.	weekly, with the SDIS search entified Human (Remains) more loci are searched at both <i>A</i> E threshold to be enrolled in		
4.7.2	circumstan indexes. S Relatives o appropriat	les for upload to SDIS will be from evidentiary aces will known human reference samples be uch profiles may be entered into the Missing of Missing Persons Index or the Unidentified te. Suspect or LabTypes samples are not elig	e uploaded to SDIS forensic g Persons Index, the I Human Remains Index if		

and reside in LDIS indices only.

Γ

Status:Publish	ned	CODIS Profile Management	Document ID: 1249
DATE EFFECTIVE		APPROVED BY	PAGE
	29/2017	CODIS Manager	14 OF 16
4.7.3	All putative SDIS.	e perpetrator profiles in a Forensic Biology DN	NA pattern will be uploaded to
NOTE:	Additional profiles from patterns will no longer be placed in the Other (pattern) Index in LDIS. Confirmed additional matches to the same offender are dispositioned as State Defined #1.		
4.7.4	Uploads to NDIS will take place as scheduled by the SDIS custodian.		
4.8	Other Searches		
4.8.1	Only DNA profiles developed by the Department of Forensic Biology may be compared to LINKAGE or the LDIS-only specimen category. Requests to compare other labs' DNA profiles to LINKAGE or the LDIS-only specimen category will not be approved and are not allowed. Requests to compare other labs' DNA profiles to suspects in LDIS will not be approved and are not allowed.		
4.8.2	External keyboard search requests of LDIS, SDIS, and NDIS are only allowed of DNA profiles derived from evidence. Keyboard searches of DNA profiles from known individuals are not allowed.		
4.8.2.1	Keyboard search requests of SDIS/NDIS are addressed to the Databank coordinator. This search is requested through the DCJS Databank coordinator and is executed at the discretion of the SDIS custodian.		
4.8.2.2	Keyboard search requests of LDIS are addressed to the CODIS custodian, CODIS Program Manager, or the laboratory director.		
4.8.3	There are assorted reasons a keyboard search would be requested by a laboratory. All requests must be accompanied by a Justification for Keyboard Search Request form.		
4.8.3.1	<b>Reason #1:</b> The requesting laboratory wants to search a profile that does not meet the minimum loci requirements for SDIS or NDIS entry or would not be searched based upon SDIS or NDIS current search policy. Keyboard searches for this reason must be, accompanied with a documented scientific reason justifying the search (for example, apparent presence of mixtures, sample degradation or limited sample availability). Scientific justification must include but is not limited to a statistical significance of the profile (or deduced loci) that meets the NDIS Moderate Match Estimation requirements of 10 million, and has at least 7 CODIS core loci. NDIS does allow keyboard searches of profiles with fewer than the lower limit of 8 loci, if this required threshold can be met A copy of the Match Estimation calculation printout must be provided to the CODIS group with a justification of this type, and the CODIS staff will check the MME prior to requesting an NDIS keyboard search		

CODIS Profile Management					
Status:Published	_	Document ID: 1249			
DATE EFFECTIVE	APPROVED BY	PAGE			
08/29/2017	CODIS Manager	15 OF 16			

- 4.8.3.2 Reason #2: The requesting agency wants to search a profile before the next search in a situation where a known convicted offender is a suspect in a particular case and there is a need for an expedited search. The initial request from a Bureau Chief from one of the District Attorney's Offices must be submitted in written form, **must be accompanied with a valid justification for the urgency**, and **it must be confirmed that the suspect in question is, in fact, in the databank**. This confirmation is the responsibility of the requesting agency. There must also be a documented conversation with an Assistant Director and appropriate case information. Case information from the DAO must include: the suspect's full name, NYSID number, social security number, and any known aliases.
- 4.8.3.3 The following reasons are considered valid urgency justifications by the Department of Forensic Biology to request a keyboard search to expedite a CODIS search at SDIS or NDIS:
  - A suspect has been arrested for a particular case and will be released without the search. Additionally, there is no other evidence (eyewitness, fingerprints, etc.) to hold the suspect and attempts to obtain a DNA sample from the suspect have been exhausted.
  - A strong investigative lead has developed a suspect in a particular case and the search will lead to an arrest. Additionally, there is no other evidence (eyewitness, prints, etc.) to arrest the suspect and attempts to obtain a DNA sample from the suspect have been exhausted.
- <u>NOTE</u>: Even if the DAO or NYPD can confirm a potential suspect has qualified for entry in the convicted offender databank this does not insure the sample has been collected, processed, or entered into the offender databank. Expedition of a convicted offender sample by DCJS does not have to be in response to a keyboard request. If the suspect is based on a strong investigative lead and the investigator wants to insure the corresponding convicted offender sample is in the offender databank before the next routine search they should be referred to DCJS. Investigators should always be advised to attempt to obtain a DNA sample from the suspect and submit it <u>directly</u> to Forensic Biology.
- 4.8.3.4 **<u>Reason #3</u>:** The requesting agency and/or the Department of Forensic Biology wants to search a profile before the next search in a situation where there is an urgency for an expedited search to attempt to identify an offender in a serious or serial crime, for public safety reasons.
- 4.8.4 Both the CODIS Custodian/Supervisor and the CODIS Program Manager must approve keyboard search requests. Disagreements between the CODIS Program Manager and the analyst, technical reviewer(s), or manager requesting a keyboard search will be resolved by the laboratory director.

CODIS Profile Management					
Status:Published	_	Document ID: 1249			
DATE EFFECTIVE	APPROVED BY	PAGE			
08/29/2017	CODIS Manager	16 OF 16			

- 4.8.4.1 Once a keyboard search request has been approved, the interpreting analyst will fill out a Forensic Biology Keyboard Search Request form and forward it to the CODIS staff for processing. All keyboard search requests will be processed by the CODIS staff. If the keyboard search request is for SDIS, the CODIS supervisor will discuss the request and case information with the DCJS Databank coordinator via telephone and fax the request form accordingly. Documentation of the request and search results will be added to the case record. Keyboard search requests from outside laboratories are kept in the Keyboard Search requests binder. The interpreting analyst requesting the keyboard search will be responsible for evaluating all candidate match results from the search *within 15 days* of receiving the results from the CODIS staff.
- **NOTE:** Prior to faxing a Keyboard Search Request form to SDIS, the CODIS staff will first perform a local keyboard search to identify any local candidate matches.
- 4.8.5 A forensic profile may be searched at a non-CODIS databank (for example, via Interpol). See the NDIS Procedures for further information.
- 4.8.6 A non-US forensic profile may be searched at NDIS upon request to the FBI and at their discretion. Such a profile may NOT be searched at LDIS

STR result	Interpretation	DNA Profile	Will match	
		<b>Evaluation Form</b>		
7, 8, 9	deduced contributor is			
	9,9	9,9	9,9	
			(high stringency)	
7, 8, 9	deduced contributor is			
	8,9	8, 9	8,9	
			(high stringency)	
7, 8, 9	deduced contributor is			
	9, Z			
	(where Z is either a 7 or 8 or 9)	7, 8, 9+	7, 9 or 8, 9 or 9, 9	
			(moderate stringency)	
7, 8, 9**	deduced contributor is	INC	anything	
	9, Z	or		
	**other non-called allele, possible	9+	9 plus any other allele	
	drop-out, or LCN possible false		(moderate stringency)	
	homozygote			