

NLCP Laboratory Reporting Standardization

Presented by:

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Drug Testing Advisory Board

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SAMHSA
Substance Abuse and Mental Health
Services Administration

ECCF Review and Approval Process

Lab	Submission Received	NLCP report	Lab Response(s) and NLCP Reports				NLCP Final Report	Remote IT Inspection Date	NLCP Report	Insp Date	NLCP Insp Report	Lab Response(s) and NLCP Reports			NLCP Report & Rec to HHS	HHS Letter	
A	4/20/2015	5/21/2015	6/2/2015 revised submission	NLCP 6/23/2015	Lab 7/14/2015				9/15/2015		9/22/2015	10/2/2015	10/2/2015	NA	10/9/2015	10/9/2015 Approved	
B	4/21/2015	5/26/2015	6/17/2015 revised submission	NLCP 6/30/2015	Lab 11/5/2015	NLCP 11/24/2015	Lab 11/25/2015		12/21/2015		1/26/2016	2/16/2016	3/9/2016	3/17/2016	4/20/2016	5/5/2016	5/9/2016 Approved
C-1	5/26/2016, 6/8/2016, 10/19/2015 revised submission	1/12/2016	2/1/2016 addtl doc 2/12/16	NLCP 2/12/2016	Lab 3/2/2016	NLCP 3/17/2016	Lab 3/25/2016		3/28/2016		4/28/2016	6/2/2016	6/21/2016	6/30/2016	Lab-7/5/2016 NLCP-7/8/2016 Lab-7/19/2016	7/27/2016	8/2/2016 Approved
D-1	8/6/2015	10/30/2015	12/4/2015	NLCP 12/10/2015	Lab 1/21/2016	NLCP 1/29/2016	Lab 2/22/2016 NLCP 3/4/2016 Lab 3/11/2016		3/16/2016		4/19/2016	5/2/2016	5/11/2016	6/2/2016	7/11/2016	8/2/2016	8/9/2016 Approved
D-2	8/6/2015		hold per lab														
E-1	10/16/2015	11/24/2015	12/30/2015	NLCP 2/12/2016	Lab 3/4/2016	NLCP 3/17/2016	Lab 3/25/2016		3/29/2016		4/27/2016	6/2/2016	6/24/2016	7/1/2016	7/22/2016	8/2/2016	8/3/2016 Approved
F-1	3/22/2016	3/25/2016	3/28/2016						3/29/2016		5/3/2016	6/2/2016	7/15/2016			8/3/2016	8/9/2016 Approved
G	3/23/2016	3/25/2016	3/28/2016						3/29/2016		5/10/2016	6/2/2016	7/8/2016	8/3/2016	8/4/2016	8/5/2016	8/9/2016 Approved
H-1	3/24/2016	3/25/2016	3/30/2016						3/30/2016		5/16/2016	6/8/2016	7/8/2016	8/3/2016	8/5/2016	8/5/2016	8/9/2016 Approved
I-1	4/1/2016	4/18/2016						4/18/2016		6/2/2016	6/24/2016	7/18/2016			8/3/2016	8/5/2016 Approved	
J-1	4/1/2016	4/18/2016						4/15/2016		6/7/2016	7/6/2016	7/13/2016	7/25/2016	7/27/2016	8/5/2016	8/5/2016 Approved	
K-1	4/1/2016	4/15/2016						4/18/2016		6/21/2016	7/19/2016	7/29/2016			8/5/2016	8/5/2016 Approved	
C-2	8/6/2015		9/26/2016 addtl doc 10/31/2016	NLCP 11/9/2016	Lab 12/6/2016				12/12/2016		12/19/2016	1/9/2017	1/12/2017			1/18/2017	1/19/2017 Approved
Remote IT inspections implemented																	
E-2	2/7/2017	3/23/2017	5/5/2017						5/31/2017	7/7/2017	7/17/2017	8/22/2017	9/19/2017			9/19/2017	9/20/2017 Approved
L	4/27/2017	11/21/2017						11/21/2017	12/20/2017	1/5/2018	3/8/2018	3/23/2018	3/27/2018			4/3/2018	4/9/2018 Approved
H-2	5/16/2017	10/31/2017						10/31/2017	12/12/2017	1/5/2018	2/13/2018	3/17/2018	4/22/2018	5/10/2018	5/11/2018	6/19/2018	7/10/2018 Approved
J-2	10/13/2017	11/3/2017						11/3/2017	NA-attended lab 325 remote insp		11/16/2017	11/29/2017			11/29/2017	12/7/2017 Approved	
I-2	10/13/2017	11/3/2017						11/3/2017	NA-attended lab 325 remote insp		11/28/2017	12/7/2017			12/7/2017	12/15/2017 Approved	
K-2	10/13/2017	10/20/2017						10/20/2017	NA-attended lab 325 remote insp		11/17/2017	11/17/2017			11/17/2017	11/22/2017 Approved	
F-2	9/1/2017	3/8/2018	12/7/2018	1/17/2019	5/22/2019												

Lab ECCF Submission

NLCP Report -Lab Response

Remote IT Inspection

Onsite Inspection

SAMHSA Approval

ECCF Approved Laboratory

Lab Category	% of Total ECCF '18	% of Total ECCF '19	FormFox	eScreen	LabCorp
2	11.66%	14.62			X
2*	0.00%	0.00	X		
3	9.06%	15.76			X
4	6.64%	9.20	X		X
4	34.90%	41.94		X	
4**	13.97%	N/A	X	X	
5	20.52%	30.34	X	X	
5	22.97%	34.12	X	X	
5	10.84%	14.60			X
6	9.97%	12.89	X	X	
6	27.51%	30.30		X	
6	16.96%	29.55	X	X	

*Approved for ECCF use Apr '18

**Lab withdrew from program Mar '18

Total Federal ECCF Used (Apr '18 – Mar '19)

Category	Total Regulated Specimens	Percent of All Labs Total Regulated	Total Federal ECCF	% of Total ECCF
2*	56,882	0.87%	0	0.00%
2	98,721	1.51%	14,431	14.62%
CAT 2 Total	155,603	2.39%	14,431	9.27%
3	102,671	1.58%	16,182	15.76%
CAT 3 Total	102,671	1.58%	16,182	15.76%
4	224,753	3.45%	20,681	9.20%
4	342,793	5.26%	143,781	41.94%
CAT 4 Total	567,546	8.71%	164,462	28.98%
5	493,988	7.58%	149,900	30.34%
5	521,810	8.01%	178,038	34.12%
5	408,917	6.27%	59,699	14.60%
CAT 5 Total	1,424,715	21.86%	387,637	27.21%
6	1,089,626	16.72%	140,477	12.89%
6	764,017	11.72%	231,525	30.30%
6	1,425,715	21.87%	421,276	29.55%
CAT 6 Total	3,279,358	50.31%	793,278	24.19%
Totals	5,529,893		1,375,990	24.88%
Total Regulated Specimens (all labs)	6,518,330	84.84%		

*Data incomplete/unavailable for this period

Total Federal ECCF (Apr '18 – Mar '19)

HHS-Certified Laboratory												
Period	A*	B	C	D	E	F	G	H	I	J	K	Grand Total
2015										3,172		3,172
2016			0	0	0	0	1,087	0	26,403	82,656	0	110,146
2017		4,482	5,574	8,444	22,531	31,669	41,578	35,334	92,122	150,537	59,207	473,305
2018	0	13,485	13,378	17,563	54,783	130,020	134,599	153,630	123,161	211,571	335,278	1,195,630
Jan	-	1,378	1,186	2,017	5,191	15,396	9,985	15,568	12,348	21,647	41,322	126,038
Feb	-	1,411	1,198	2,198	4,780	13,128	9,955	14,373	13,460	20,684	38,871	120,058
Mar	-	1,763	1,396	2,310	5,762	13,782	9,960	17,701	17,169	24,892	47,227	141,962
Jan-Mar 2019	-	4,552	3,780	6,525	15,733	42,306	29,900	47,642	42,977	67,223	127,420	388,058

*Data incomplete/unavailable for this period

Standard Variables

ATTENTION: HHS-Certified and Applicant Laboratories and Instrumented Initial Test Facilities (IITFs), and NLCP Inspectors

Subject: Electronic Report Terminology Follow-Up

The attached National Laboratory Certification Program (NLCP) Notice serves as a follow-up to the Electronic Report Terminology Notice sent on February 6, 2018, concerning the terminology to be used on computer-generated electronic reports for federally regulated specimens.

If you have any questions concerning this notice, please contact NLCP staff (919) 541-7242 or nlcp@rti.org.

Standard Variables for Electronic Reporting

NLCP Working Group on Standard Variables and Electronic Reporting

- Standard Variable Agreement (terminology)
- How do Standard Variables cross over between matrices: Urine, Oral Fluid, Hair
- What are Minimum Standard Variables captured on the Federal Custody and Control Form
- Benefit to HHS-Certified Laboratories in reporting
- Benefit to the regulated industry in reporting standard information

Specimen Standard Variables

	Fields	Description
Specimen		
	RecordID	Unique Record ID used to match with Drug Records
	CCFID	Custody and Control Form ID number
	RegulatoryAuthority	Regulatory Authority: DOT, NDOT, HHS, NRC
	RegulatoryAgency	Regulatory Agency: FAA, FRA, FMCSA, etc
	EmployeeCategory	DOT Employee Category (Not Currently Used)*
	Reason	Reason For Test
	STATUS	Specimen Status*
	OrderedDate	Date the Drugtest was ordered by employer
	ScheduledDate	Date the Drugtest was scheduled with the Lab/Clinic Network
	ExpirationDate	Date the Drugtest scheduled event was to expire*
	ElectronicOrderID	The electronic Order ID that follows the Chain of Custody throughout its lifecycle (Registration ID, Barcode Authorization Code, Passport ID, etc.)*
	Reconfirm	(Y/N) Disposition reconfirmation test

*Field not captured in database

Employer Standard Variables

	Fields	Description
Employer Info		
	EmployerID	Donor Employer ID
	EmployerName	Employer Full Name
	EmployerHierID1	Employer Heirarchy 1 ID, such as subsidiary
	EmployerHierName1	Empoyer Heirarch 1 Name
	EmployerHierID2	Employer Heirarchy 2 ID, such as division
	EmployerHierName2	Empoyer Heirarch 2 Name
	EmployerHierID3	Employer Heirarchy 3 ID, such as group
	EmployerHierName3	Empoyer Heirarch 3 Name
	EmployerLocationID	Employer Location ID
	EmployerLocationName	Employer Location Name
	EmployerLocationAddress	Employer Location Address
	EmployerLocationAddress2	EmployerLocation Address 2
	EmployerLocationAddress3	Employer Location Address 3
	EmployerLocationCiry	Employer Location City
	EmployerLocationState	Employer Location State
	EmployerLocationZip	Employer Location Zip
	EmployerLocationCountry	Employer Location Country
	EmployerLabAccount	Employer Lab Account
	OtherEmployerID	Other Employer ID (Node ID)*

*Field not captured in database

Collection Standard Variables

	Fields	Description
Clinic		
	collectionsiteID	Clinic ID
	Collectionsitename	Clinic Name
	CollectionSiteAddress	Clinic Address
	CollectionSiteAddress2	Clinic Address 2
	CollectionSiteAddress3	Clinic Address 3
	CollectionSiteCity	Clinic City
	CollectionSiteState	Clinic State
	CollectionSiteZip	Clinic Zip
	Collectionphone	Clinic Phone Number
	OnsiteCollection	(Y/N) Onsite Collection?
	SplitCollection	(Y/N) Split collection?
	ObservedCollection	(Y/N) Collection Observed?
	TemperatureInRange	(Y/N) Temperature in Range?
	DrugtestRefusal	Drug Test Refusal Indicator (Adulterated, Substituted, Shy Bladder, Other)
	ClinicCollectionDate	Date specimen collected
	ClinicComments	Remarks about collection

*Field not captured in database

Laboratory Standard Variables

	Fields	Description
Laboratory		
	LabID	(ID) Laboratory performing test
	LabName	Lab Name
	LabLocationID	Laboratory Location ID*
	LabLocationName	Laboratory Location Name*
	LabAddress1	Laboratory Address*
	LabAddress2	Laboratory Address 2*
	LabAddress3	Laboratory Address 3*
	LabCity	Laboratory City*
	LabState	Laboratory State*
	LabZip	Laboratory Zip
	LabSpecimenReceivedDate	Date specimen received at lab
	LabResultReportedDate	Date lab reported disposition of specimen
	LabAccessionNumber	Laboratory Accession number used by labs to reference specimen
	LaboratorySpecimenDisposition	Laboratory Disposition (Result)
	Dilute	Dilute Indicator (Y/N)
	CreatinineLevel	Creatinine Level*
	SpecificGravity	Specific Gravity Level*
	pHLevel	pH Level*
	LabComments	Laboratory Comments

*Field not captured in database

MRO Standard Variables

	Fields	Description
MRO/TPA		
	TPAorMRO	TPA or MRO indicator (T, M, B)*
	SpecNo	MRO Specimen Number
	DateLoaded	Date Specimen Info loaded in system by MRO
	DateCOCCRec	Date CCF received by MRO
	MROComments	MRO Comments
	MROVerificationDate	Date MRO Verified specimen disposition
	MROSpecimenDisposition	MRO Overall Disposition
	Explaincode	MRO Disposition Explanation Code
Specimen Information		
	prodcode	Product Code (Drug Test, Alcohol Test)
	ProdCat	Product Category (Drug Test, Alcohol Test)
	ProdClass	Product Classification (Blood, Breath Alcohol Test, Hair, Oral, Saliva, Urine)
	SpecType	Specimen Type (HHS DOT Mirror, 5Panel, 9Panel+Nit, etc.)
	PanelID	Lab Panel ID
	PanelDescription	Lab Panel Description
	Blind	Blind Panel (Y/N)

*Field not captured in database

Drug Report Standard Variables

	Fields	Description
Drug Records		
	RecordID	Unique Record ID used to match with Drug Records
	SequenceNumber	Sequence Number starting with 1 within the Record ID
	DrugID	Drug ID
	name	Drug Name
	DrugClassification	Drug Classification (Drug Class that the drug test is associated with)*
	Screening	Screening Level*
	Confirmation	Confirmation Level*
	Quantification	Quantification Level
	LabDisposition	Lab Disposition for this Drug
	MRODisposition	MRO Disposition for this Drug
	MROComments	MRO Comments**

*Field not captured in database

**Field removed from DOI data 10/2014

Standardization of Analytes

Drug Class	Urine	Oral Fluid	Hair	Abbrev.
Amphetamines	Amphetamine	Amphetamine	Amphetamine	AMP
	Methamphetamine	Methamphetamine	Methamphetamine	MAMP
	Methylenedioxymethamphetamine	Methylenedioxymethamphetamine	Methylenedioxymethamphetamine	MDMA
	Methylenedioxyamphetamine	Methylenedioxyamphetamine	Methylenedioxyamphetamine	MDA
Cocaine		Cocaine	Cocaine	COC
	Benzoyllecgonine	Benzoyllecgonine	Benzoyllecgonine	BZE
Marijuana	Δ-9-tetrahydrocannabinol-9-carboxylic acid		Δ-9-tetrahydrocannabinol-9-carboxylic acid	THCA
		Tetrahydrocannabinol		THC
Phencyclidine	PCP	PCP	PCP	PCP
Opioids	Codeine	Codeine	Codeine	COD
	Morphine	Morphine	Morphine	MOR
	Hydrocodone	Hydrocodone	Hydrocodone	HYC
	Hydromorphone	Hydromorphone	Hydromorphone	HYM
	Oxycodone	Oxycodone	Oxycodone	OXYC
	Oxymorphone	Oxymorphone	Oxymorphone	OXYM
	6-Acetylmorphine	6-Acetylmorphine	6-Acetylmorphine	6-AM

NLCP and DOT Reporting Terminology

Common Names		NLCP		DOT	
Screening Group	Confirmation Analyte	Abbrev.	Term	Initial Test Analyte	Confirmatory Test Analyte
Amphetamines	Amphetamine	AMP/MAMP	Amphetamine/Methamphetamine	Amphetamine/Methamphetamine	Amphetamine
	Methamphetamine				Methamphetamine
'MDA Analogs' or 'MDMA'	MDMA	MDMA/MDA	Methylenedioxyamphetamine/Methylenedioxymethamphetamine	MDMA/MDA	MDMA
	MDA				MDA
Cocaine Metabolite	Benzoylcegonine	BZE	Cocaine Metabolite	Cocaine metabolite (Benzoylcegonine)	Benzoylcegonine
Marijuana Metabolites	THCA or delta-9-tetrahydrocannabinol-9-carboxylic acid or marijuana metabolite	THCA	Marijuana Metabolites	Marijuana Metabolites (THCA)	THCA
Opiates	Codeine	COD			
	Morphine	MOR			
'Hydrocodones' or Hydrocodone	Hydrocodone	HYC/HYM	Hydrocodone/Hydromorphone	Hydrocodone/Hydromorphone	Hydrocodone
	Hydromorphone				Hydromorphone
'Oxycodones' or Oxycodone	Oxycodone	OXYC/OXYM	Oxycodone/Oxymorphone	Hydrocodone/Hydromorphone	Oxycodone
	Oxymorphone				Oxymorphone
6-Acetylmorphine	6-Acetylmorphine	6-AM	6-Acetylmorphine	6-Acetylmorphine	6-Acetylmorphine
Phencyclidine	Phencyclidine	PCP	Phencyclidine	Phencyclidine	Phencyclidine