

CFEIS Manufacturer Test Data System Entry Form (SAMPLE)



Test Number: _____

Entry Field 1:
Input Record
Type

T	1
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Entry Field 2:
Process Code

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Entry Field 3:
Manufacturer Code

0	5	2
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Entry Field 4:
Test Number

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Entry Field 5:
Model Year

1	9	9	9
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Entry Field 6:
Vehicle Identification

V	I	D	#	1															
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Entry Field 7:
Vehicle
Configuration
Number

0

Entry Field 8:
Test Purpose

1

Entry Field 9:
Test Procedure

2

Entry Field 10:
High Altitude

N

Entry Field 11:
Test Date

0	7	2	6	1	9	9	9
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Entry Field 12:
Technical Disposition
Code

1

Entry Field 13:
Certification
Disposition Code

1

Entry Field 14:
Fuel Economy
Disposition Code

1

Entry Field 15:
Calculate
Deterioration
Factors

N

Entry Field 16:
Retest Code

N

Entry Field 17:
Aged Emission
Components Usage

1	0	0
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T1 - Manufacturer Test Data System Entry Field Descriptions

Entry Field 1	Input Record Type	T1
Entry Field 2	Process Code	For <i>Add</i> : 'A' or blank - '' For <i>Modify</i> : 'M' For <i>Replace</i> : 'R' For <i>Delete</i> : 'D' For <i>Report</i> : 'P' For <i>Carry Over</i> : 'C' For <i>Carry Across</i> : 'X' For <i>Reprocess</i> : 'S'
Entry Field 3	Manufacturer Code	Valid MANUFACTURER CODE
Entry Field 4	Test Number	0000000 - 9999999 Valid test number format. <i>Note</i> : EPA shall supply a valid EPA test number in the Add Transaction.
Entry Field 5	Model Year	1970-2100
Entry Field 6	Vehicle Identification	Valid VEHICLE ID
Entry Field 7	Vehicle Configuration Number	00-99
Entry Field 8	Test Purpose	See CMUG - Appendix D
Entry Field 9	Test Procedure	See CMUG - Appendix D
Entry Field 10	High Altitude	Y, N Default is 'N'
Entry Field 11	Test Date	Valid calendar date. (mmddyyyy)
Entry Field 12	Technical Disposition Code	1 - Valid 2 - Void 3 - Minor Void Blank - None * - Clears existing field

Entry Field 13	Certification Disposition Code	01 - Pass 02 - Fuel Economy Only 03 - Fail 04 - Void 05 - DF not available 06 - Evaporative results only 07 - After Shipment 08 - Zero mile test 09 - Highway NOx fail blank - No disposition * - Clear Existing field
Entry Field 14	Fuel Economy Disposition Code	01 - Used for Fuel Economy 02 - Not used for Fuel Economy 03 - "Reasonable," but not used for fuel economy 04 - Not reviewed, not used for fuel economy 07 - Awaiting confirmatory testing blank - No disposition * - Clear Existing field
Entry Field 15	Calculate Deterioration Factors	Y, N <i>Note</i> : Applies only to durability tests. Default to 'N'
Entry Field 16	Retest Code	Y, N Default to 'N'
Entry Field 17	Aged Emission Components Usage	See CMUG - Appendix D

CFEIS Manufacturer Test Data System Entry Form (SAMPLE)



Test Number: _____

Entry Field 1:
Input Record
Type

T	2
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Entry Field 2:
Test Lab Site Code

1

Entry Field 3:
Test Analysis Site

A	0	0	3
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Entry Field 4:
Dyno Site

0	0	0	6
---	---	---	---

Entry Field 5:
Evaporative Enclosure
Site

0	0	0	3
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Entry Field 6:
Odometer Reading

		3	9	3	5	.	0
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Entry Field 7:
Units (Odometer)

M

Entry Field 8:
Reason for
Confirmation

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Entry Field 9:
Fuel Batch Id

9	8	A	-	0	1
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Entry Field 10:
Fuel Calibration
Number

		2
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Entry Field 11:
VI Fuel Type

6



T2 - Manufacturer Test Data System Entry Field Descriptions

Entry Field 1	Input Record Type	T2
Entry Field 2	Test Lab Site Code	01-99
Entry Field 3	Test Analysis Site	Text <i>Note:</i> Evaporative Tests - No Entry
Entry Field 4	Dyno Site	Text <i>Note:</i> Evaporative Tests - No Entry
Entry Field 5	Evaporative Enclosure Site	Text
Entry Field 6	Odometer Reading	000000.0-999999.9
Entry Field 7	Units (Odometer)	M - Miles K - Kilometers
Entry Field 8	Reason for Confirmation	01 - Random audit 02 - Failure at manufacturer 03 - Cert level equals standards 04 - FE >= leader 05 - FE up by 1 or more 06 - New vehicle, no data 07 - FE correlation offset 08 - Defeat device evaluation 09 - Replacement of failed vehicle 10 - Potential gas guzzler 11 - Potential I/M concerns 99 - Other reason <i>Note:</i> This data element is applicable to EPA performed tests and should only be submitted with EPA test data.
Entry Field 9	Fuel Batch Id	Text <i>Note:</i> Not Required where VI Fuel Type is Diesel.
Entry Field 10	Fuel Calibration Number	0001-9999 <i>Note:</i> Not Required where VI Fuel Type is Diesel.

Entry Field 11	VI Fuel Type	06 - Unleaded (at EPA 96 RON) 09 - Diesel (at EPA #2 Diesel) 17 - Leaded (at EPA Ind 15) 22 - Special Unleaded 91 RON (for Defeat Device Testing only) Ref. VPCD-97-01 23 - Carb Phase II Gasoline (CERT) 24 - Cold CO Regular (Cert) 25 - Cold CO Premium (Cert) 31 - Methanol (Cert M10) 33 - Methanol (Cert M85) 37 - E10 (10% Ethanol 90% EPA Unleaded Gasoline) 38 - E85 (85% Ethanol 15% EPA Unleaded Gasoline) 39 - Ethanol (Reserved for CERT - not IOV CFEIS) 40 - Hydrogen (Reserved for CERT - not CFEIS) 41 - CNG (CERT) 42 - LPG (reserved for CERT) (Not CFEIS) 43 - E10 (10% Ethanol 90% CAL Phase II Gasoline) 44 - E85 (85% Ethanol 15% CAL Phase II Gasoline)
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CFEIS Manufacturer Test Data System Entry Form (SAMPLE)



Test Number: _____

Entry Field 1:
Input Record Type

T	3
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Entry Field 2:
Average Code

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Entry Field 3:
Ambient Temperature

7	6	.	6
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Entry Field 4:
Ambient Temperature Units

F

Entry Field 5:
Barometric Pressure Value

2	9	.	0	6
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Entry Field 6:
Barometric Pressure Units

I	N	H	G
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Entry Field 7:
NOxKH

0	.	8	8	3	2
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Entry Field 8:
Test Group Code

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Entry Field 9:
Quick Check

		.		
--	--	---	--	--

Entry Field 10:
Wait Time

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Entry Field 11:
Warm Up

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Engine Field 12:
Restarts

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Entry Field 13:
Precondition Type

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Entry Field 1:
Input Record Type

T	4
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Entry Field 2:
Fuel Batch Effective Date

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Entry Field 3:
Fuel Batch Ineffective Date

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Entry Field 4:
Fuel Batch Calibration Date

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Entry Field 5:
Carbon Weight Fraction NMHC

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Entry Field 6:
Carbon Weight Fraction HC

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Entry Field 7:
Exhaust Carbon Weight Fraction

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Entry Field 8:
Fuel Methanol Volume Fraction

.				
---	--	--	--	--

Entry Field 9:
Fuel Density

	.			
--	---	--	--	--

Entry Field 10:
Fuel Specific Gravity

0	.	7	4	3
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Entry Field 11:
Fuel Net Heating Value

1	8	5	5	2	2
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Entry Field 12:
Fuel Blend Carbon Weight Fraction

0	.	8	6	3
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Entry Field 13:
Weight Fraction CO2

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T3 and T4 - Manufacturer Test Data System Entry Field Descriptions

Entry Field 1	Input Record Type	T3	Entry Field 1	Input Record Type	T4
Entry Field 2	Average Code	1-9, A-Z <i>Note:</i> Applies only to Durability Tests.	Entry Field 2	Fuel Batch Effective Date	Valid calendar date. (MMDDYYYY) <i>Note:</i> Not required for Diesel.
Entry Field 3	Ambient Temperature	See CMUG - Appendix D	Entry Field 3	Fuel Batch Ineffective Date	Valid calendar date. (MMDDYYYY) <i>Note:</i> Not required for Diesel.
Entry Field 4	Ambient Temperature Units	See CMUG - Appendix D	Entry Field 4	Fuel Batch Calibration Date	Valid calendar date. (MMDDYYYY) <i>Note:</i> Not required for Diesel.
Entry Field 5	Barometric Pressure Value	See CMUG - Appendix D	Entry Field 5	Carbon Weight Fraction NMHC	0.800-0.900 Natural gas - CWF_{NMHC}
Entry Field 6	Barometric Pressure Units	See CMUG - Appendix D	Entry Field 6	Carbon Weight Fraction HC	0.800-0.900 Natural gas - $CWF_{HC/NG}$
Entry Field 7	NOx KH	See CMUG - Appendix D	Entry Field 7	Exhaust Carbon Weight Fraction	See CMUG - Appendix D
Entry Field 8	Test Group Code	Text <i>Note:</i> No entry needed for Cold CO, Light Truck Idle CO or Short Tests	Entry Field 8	Fuel Methanol Volume Fraction	0.000-1.000 (Methanol) Methanol 0.000-1.000 (Methanol blend) Methanol blend
Entry Field 9	Quick Check	00.00-99.99 <i>Note:</i> Enter Coastdown Time (seconds) on Test Procedure 03 (Hwy.).	Entry Field 9	Fuel Density	See CMUG - Appendix D
Entry Field 10	Wait Time	01-99 <i>Note:</i> Short Test only	Entry Field 10	Fuel Specific Gravity	See CMUG - Appendix D
Entry Field 11	Warm Up	01-99 <i>Note:</i> Short Test only	Entry Field 11	Fuel Net Heating Value	See CMUG - Appendix D
Entry Field 12	Restarts	0-6 <i>Note:</i> Short Test only	Entry Field 12	Fuel Blend Carbon Weight Fraction	See CMUG - Appendix D
Entry Field 13	Precondition Type	U - Unloaded L - Loaded <i>Note:</i> Only needed for Short Test	Entry Field 13	Weight Fraction CO2	See CMUG - Appendix D

CFEIS Manufacturer Test Data System Entry Form (SAMPLE)



Test Number: _____

Entry Field 1:
Input Record
Type

T	R
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Entry Field 2:
Unrounded Emission Result Name

H	C	-	T	O	T	A	L													
C	O	2																		
H	C	-	N	M																
N	O	X																		
C	O																			
M	F	R		F	E															

Entry Field 3:
Unrounded Test Result

				0	.	0	7	1	3	0	1									
4	5	4		.	6	6														
				0	.	0	6	3	4	2	9									
				0	.	0	4	7	6	7	2									
				0	.	5	9	3	9	7										
			1	9	.	4														
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TR Manufacturer Test Data System Entry Field Descriptions

Entry Field 1	Input Record Type	TR
Entry Field 2	Unrounded Emission Result Name	See CMUG - Appendix D
Entry Field 3	Unrounded Test Result	0000.0000000-9999.9999999



TC - Manufacturer Test Data System Entry Field Descriptions

Entry Field 1	Input Record Type	TC
Entry Field 2	Comments	Text <i>Note:</i> Multiple comment input records permitted. 'Replace' deletes old comments and adds new comments, while 'Modify' adds additional input comments to previously stored comments, if any. Up to 12 comment input records permitted.

CFEIS Manufacturer Test Data System Entry Form (SAMPLE)



Test Number: _____

Entry Field 1:
Input Record Type

T	F
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Entry Field 2:
Process Code

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Entry Field 3:
Manufacturer Code

9	9	9
---	---	---

Entry Field 4:
Model Year

2	0	0	1
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Entry Field 5:
FTP test number
(for composite calculation)

1	2	3	4	5	6	7
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Entry Field 6:
Vehicle Configuration number

0	0
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Entry Field 7:
US06 test number
(for composite calculation)

1	2	3	4	5	6	8
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Entry Field 8:
Vehicle Configuration number

0	2
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Entry Field 9:
SC03 test number
(for composite calculation)

1	2	3	4	5	6	9
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Entry Field 10:
Vehicle Configuration number

0	1
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TF - Manufacturer Test Data System Entry Field Descriptions

Entry Field 1	Input Record Type	TF
Entry Field 2	Process Code	For <i>Add</i> : 'A' or blank - '' For <i>Replace</i> : 'R' For <i>Delete</i> : 'D' For <i>Report</i> : 'P' For <i>Replace</i> : 'S'
Entry Field 3	Manufacturer Code	<i>Note</i> : See Appendix F Valid MANUFACTURER CODE
Entry Field 4	Model Year	2001-2100
Entry Field 5	FTP test number (for composite calculation)	test number of FTP test procedure used for NMHC+NOX and optionally for CO
Entry Field 6	Vehicle Configuration number	Vehicle configuration number of test vehicle used for FTP test (above)
Entry Field 7	US06 test number (for composite calculation)	test number of US06 test procedure used for NMHC+NOX and optionally for CO
Entry Field 8	Vehicle Configuration number	Vehicle configuration number of test vehicle used for US06 test (above)
Entry Field 9	SC03 test number (for composite calculation)	test number of SC03 test procedure used for NMHC+NOX and optionally for CO (if applicable)
Entry Field 10	Vehicle Configuration number	Vehicle configuration number of test vehicle used for SC03 test (above)