



Index Number: \_\_\_\_\_

**Entry Field 1:**  
Input Record  
Type

F	1
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**Entry Field 2:**  
Process Code

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**Entry Field 3:**  
Manufacturer  
Code

		5	2
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**Entry Field 4:**  
Index Number

		1
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**Entry Field 5:**  
Model Year

1	9	9	9
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**Entry Field 6:**  
Cubic Inch  
Displacement

1	9	6
---	---	---

**Entry Field 7:**  
Number of  
Cylinders

	6
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**Entry Field 8:**  
Combustion Cycle

G
---

**Entry Field 9:**  
Fuel Injection

M
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**Entry Field 10:**  
Number of Venturi

	0
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**Entry Field 11:**  
Catalyst

Y
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**Entry Field 12:**  
Feedback Fuel System

Y
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**Entry Field 13:**  
Variable Displacement

N
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**Entry Field 14:**  
Turbocharged

N
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**Entry Field 15:**  
Supercharged

N
---

**Entry Field 16:**  
Number of Valves  
per Cylinder

	4
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**Entry Field 17:**  
Police Vehicle

N
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**Entry Field 18:**  
Engine Block Descriptors

1	6								
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**Entry Field 19:**  
Compliance  
Category

2
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F1 - CAFE Entry Field Descriptions

Entry Field 1	Input Record Type	F1
Entry Field 2	Process Code	For Add: 'A' or blank - '' For Replace: 'R' For Delete: 'D' For Reprocess: 'S'
Entry Field 3	Manufacturer Code	Valid MANUFACTURER CODE
Entry Field 4	Index Number	001-999
Entry Field 5	Model Year	1970-2100
Entry Field 6	Cubic Inch Displacement	000-999
Entry Field 7	Number of Cylinders	00-99
Entry Field 8	Combustion Cycle	G - Otto Cycle (SI) Piston R - Otto Cycle (SI) Rotary D - Diesel Cycle (CI) 2 - Two Stroke Cycle T - Turbine H - Hybrid Electric E - Electric A - Other
Entry Field 9	Fuel Injection	N - No S - Single M - Multi-point (Default for diesels)
Entry Field 10	Number of Venturi	00 - 99 Note: Default is '00'.
Entry Field 11	Catalyst	Y - Yes Note: Default is 'Y' N - No
Entry Field 12	Feedback Fuel System	Y - Yes Note: Default is 'Y' N - No
Entry Field 13	Variable Displacement	Y - Yes Note: Default is 'N' N - No
Entry Field 14	Turbocharged	Y - Yes Note: Default is 'N'. N - No C - Yes, with charge air cooling

Entry Field 15	Supercharged	Y - Yes Note: Default is 'N'. N - No C - Yes, with charge air cooling
Entry Field 16	Number of Valves per Cylinder	00-09
Entry Field 17	Police Vehicle	Y - Yes Note: Default is 'N' N - No
Entry Field 18	Engine Block Descriptors	Text Note: Default is 'Blank'.
Entry Field 19	Compliance Category	1 - Domestic Passenger Vehicles 2 - Import Passenger Vehicles 7 - Domestic Light Trucks 8 - Import Light Trucks A - Domestic Passenger Vehicles - Baseline Calculation (without extra credit for dual fuel, alternative fueled vehicles) B - Import Passenger Vehicles - Baseline Calculation (without extra credit for dual fuel, alternative fueled vehicles) C - Light Trucks - Baseline Calculation (without extra credit for dual fuel, alternative fueled vehicles)

CFEIS CAFE Entry Form (SAMPLE)



Index Number: \_\_\_\_\_

**Entry Field 1:**  
Input Record  
Type

F	2
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**Entry Field 2:**  
Transmission  
Class Link

0	1

**Entry Field 3:**  
Transmission  
Type

L	5

**Entry Field 4:**  
Drive System

R

**Entry Field 5:**  
Transmission  
Overdrive

2

**Entry Field 6:**  
Shift Indicator  
Light

N

**Entry Field 7:**  
Engine  
Management  
System

Y

**Entry Field 8:**  
Number of  
Transmission  
Modes

1

**Entry Field 9:**  
Variable  
Lockup  
Point

1

**Entry Field 10:**  
Declutching /  
Freewheeling

N

## F2 - CAFE Entry Field Descriptions

Entry Field 1	Input Record Type	F2	Entry Field 8	Number of Transmission Modes	V - Continuously variable, user selectable C - Computer controlled multiple gear ratios 1-9 - Discrete user-selectable transmission mode N - Not Applicable <i>Note:</i> Default is 'N'.
Entry Field 2	Transmission Class	01-99 Linkage field to 'FF' input record.	Entry Field 9	Variable Lockup Point	N, blank - No variable lock-up point V - Continuously variable C - Computer controlled lock-up 1-9 - Number of discrete lock-up rpm ranges
Entry Field 3	Transmission Type	C4 - Creeper/Manual 4 - speed M3 - Manual 3 - speed B3 - Both C4 & M3 C5 - Creeper/Manual 5 - speed M4 - No creeper/Manual 4 - speed B4 - Both C5 & M4 M5 - Manual 5 - speed M6 - Manual 6 - speed A3 - No lockup/automatic/3 - speed L3 - Lockup/automatic/3 - speed A4 - No lockup/automatic/4 - speed A5 - No lockup/automatic/5 - speed L4 - Lockup/automatic/4 - speed L5 - Lockup/automatic/5 - speed AV - Automatic variable gear ratios S2 - Semi-automatic 2 - speed S3 - Semi-automatic 3 - speed S4 - Semi-automatic 4 - speed S5 - Semi-automatic 5 - speed	Entry Field 10	Declutching / Freewheeling	Y - Yes <i>Note:</i> Default is 'N'. N - No L - Yes, but with lock-out features
Entry Field 4	Drive System	4 - 4 wheel drive F - 2 wheel drive, front R - 2 wheel drive, rear			
Entry Field 5	Transmission Overdrive	1 - No gear ratio < 1 2 - Top gear ratio < 1 <i>Note:</i> Default is '2'.			
Entry Field 6	Shift Indicator Light	Y - Yes <i>Note:</i> Default is 'N'. N - No			
Entry Field 7	Engine Management System	Y - Yes <i>Note:</i> Default is 'N'. N - No L - Yes with lockout features			



Index Number: \_\_\_\_\_

**Entry Field 1:**  
Input Record  
Type

F	R
---	---

**Entry Field 2:**  
Transmission  
Configuration Link

0	1

**Entry Field 3:**  
Gear Range  
Number


**Entry Field 4:**  
Gear Ratio First

3	.	1	0	0
	.			
	.			
	.			
	.			

**Entry Field 5:**  
Gear Ratio Second

2	.	5	0	0
	.			
	.			
	.			
	.			

**Entry Field 6:**  
Gear Ratio Third

0	.	8	0	0
	.			
	.			
	.			
	.			

**Entry Field 7:**  
Gear Ratio Fourth

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.				
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**Entry Field 8:**  
Gear Ratio Fifth

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**Entry Field 9:**  
Gear Ratio Sixth

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.				
.				
.				
.				

**Entry Field 10:**  
Lockup Override


**Entry Field 1:**  
Input Record  
Type

F	L
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**Entry Field 2:**  
Transmission  
Configuration  
Link


**Entry Field 3:**  
Lock-up Range  
Number


**Entry Field 4:**  
Lock-up RPM  
First


**Entry Field 5:**  
Lock-up RPM  
Second


**Entry Field 6:**  
Lock-up RPM  
Third


**Entry Field 7:**  
Lock-up RPM  
Fourth


**Entry Field 8:**  
Lock-up RPM  
Fifth


**Entry Field 9:**  
Lock-up RPM  
Sixth




FR and FL - CAFE Entry Field Descriptions

Entry Field 1	Input Record Type	FR
Entry Field 2	Transmission Configuration Link	01-99 Linkage field to 'FF' and 'FL' input records.
Entry Field 3	Gear Range Number	1-9 - Indicates gear range number O - Indicates ratios entered are normal gear ratios (O/D not engaged) N - Indicates ratios entered are O/D gear ratios (O/D engaged) L - Low-end range of gear ratios H - High-end range of gear ratios <i>Note:</i> Required if Gear Range data is entered.
Entry Field 4	Gear Ratio First	0.000-9.999
Entry Field 5	Gear Ratio Second	0.000-9.999
Entry Field 6	Gear Ratio Third	0.000-9.999
Entry Field 7	Gear Ratio Fourth	0.000-9.999
Entry Field 8	Gear Ratio Fifth	0.000-9.999
Entry Field 9	Gear Ratio Sixth	0.000-9.999
Entry Field 10	Lockup Override	Y - Yes <i>Note:</i> Default is 'N'. N - No

Entry Field 1	Input Record Type	FL
Entry Field 2	Transmission Configuration Link	01-99 Linkage field to 'FR' and 'FF' input records.
Entry Field 3	Lock-up Range Number	1-9 - Indicates lockup range number L - Low-end range of RPM's H - High-end range of RPM's <i>Note:</i> Required if Lock-up RPM data is entered.
Entry Field 4	Lock-up RPM First	0000-9999
Entry Field 5	Lock-up RPM Second	0000-9999
Entry Field 6	Lock-up RPM Third	0000-9999
Entry Field 7	Lock-up RPM Fourth	0000-9999
Entry Field 8	Lock-up RPM Fifth	0000-9999
Entry Field 9	Lock-up RPM Sixth	0000-9999



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**FC - CAFE Entry Field Descriptions**

Entry Field 1	Input Record Type	FC
Entry Field 2	Comments	Comments <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.



# CFEIS CAFE Entry Form (SAMPLE)



Entry Field 1:  
Input Record Type

F	F
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Index Number: \_\_\_\_\_

Entry Field 2:  
Manufacturer  
Code

	5	2

Entry Field 3:  
Division Code

0	1

Entry Field 4:  
Car Line Code

0	0	1

Entry Field 5:  
Transmission  
Class Link

0	1

Entry Field 6:  
DVC

0	0	1

Entry Field 7:  
Transmission  
Configuration  
Link

0	1

Entry Field 8:  
Axle Ratio

3	.	0	7
	.		
	.		
	.		
	.		
	.		
	.		
	.		

Entry Field 9:  
Engine Code

M	1	1	0	-	3	2	B	-	2				

Entry Field 10:  
RLC

0	1

Entry Field 11:  
ETW

3	8	7	5

Entry Field 12:  
TRLHP<sub>50</sub> or  
Actual Dyno  
Horsepower

	.
	.
	.
	.
	.
	.
	.
	.

Entry Field 13:  
Altitude Code

3

Entry Field 14:  
Engine Family Name

X	T	M	X	V	0	3	.	2	A	B	C

Entry Field 15:  
Sub-Configuration Sales

	3	0	0	0



FF - CAFE Entry Field Descriptions

Entry Field 1	Input Record Type	FF
Entry Field 2	Manufacturer Code	Valid MANUFACTURER CODE
Entry Field 3	Division Code	Valid DIVISION CODE <i>Note:</i> Must be associated with a MANUFACTURER CODE.
Entry Field 4	Car Line Code	Valid CAR LINE CODE
Entry Field 5	Transmission Class Link	01-99 Linkage field to 'F2' input record.
Entry Field 6	DVC	001-499: A portion of this configuration is represented by a test vehicle. 501-999: No portion of this configuration is represented by a test vehicle.
Entry Field 7	Transmission Configuration Link	01-99 Linkage field to 'FR' and 'FL' input records.
Entry Field 8	Axle Ratio	0.00-9.99
Entry Field 9	Engine Code	ENGINE CODE
Entry Field 10	RLC	01-49: Used for subconfigurations represented by a test vehicle. 51-99: Used for subconfiguration not represented by a test vehicle.
Entry Field 11	ETW	Valid Equivalent Test Weight within a specified Inertia Weight Class as defined in paragraph § 86-129-80 of the 40 CFR.

Entry Field 12	TRLHP <sub>50</sub> or Actual Dyno Horsepower	00.0-99.9 2001 and earlier: Enter actual dynamometer horsepower. 2002 - on: Enter total road load horsepower at 50 mph (TRLHP <sub>50</sub> ). Ref.: CCD-00-04 dated 4/24/00
Entry Field 13	Altitude Code	1 - Low altitude only 2 - High altitude only 3 - All altitudes <i>Note:</i> Default is '3'.
Entry Field 14	Engine Family Name	Valid ENGINE FAMILY NAME
Entry Field 15	Sub-Configuration Sales	000001-999999



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**FT - CAFE Entry Field Descriptions**

Entry Field 1	Input Record Type	FT
Entry Field 2	DVC	001-499: A portion of this configuration is represented by a test vehicle.
Entry Field 3	RLC	01-49: Used for subconfigurations represented by a test vehicle.
Entry Field 4	Averaging Group Indicator	A-Z, 1-9 <i>Note:</i> Links a group of City or Highway weighted group tests which may span multiple vehicle configurations. This is only needed when spanning multiple vehicle configurations for a group of city or highway tests.
Entry Field 5	City Highway Indicator	C - City Test H - Highway Test
Entry Field 6	Test Group Weighting	0.00-1.00
Entry Field 7	Test Number	Valid existing test number
Entry Field 8	Vehicle Configuration Number	Vehicle (VI) Configuration Number the test is entered against

IOV CFEIS CAFE Entry Form (SAMPLE)



Index Number: \_\_\_\_\_

**Entry Field 1:**  
Input Record Type

F	S
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**Entry Field 2:**  
Process Code


**Entry Field 3:**  
Manufacturer Code

	5	2	

**Entry Field 4:**  
Model Year

1	9	9	9

**Entry Field 5:**  
Compliance  
Category

2

**Entry Field 6:**  
Total Sales

	2	0	0	0	0

**Entry Field 7:**  
Average FE  
Unadjusted 4 Decimal

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	.				
	.				
	.				

**Entry Field 8:**  
Average FE Unadjusted  
1 Decimal

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	.	
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**Entry Field 9:**  
Average FE Adjusted

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	.	
	.	
	.	

**Entry Field 10:**  
Applicable  
Standard

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	.	

**Entry Field 11:**  
Official CAFE  
MPG Value

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	.	
	.	



**FS - CAFE Entry Field Descriptions**

Entry Field 1	Input Record Type	FS
Entry Field 2	Process Code	For Add: 'A' or blank - '' For Replace: 'R' For Delete: 'D' For Reprocess: 'S'
Entry Field 3	Manufacturer Code	Valid MANUFACTURER CODE
Entry Field 4	Model Year	1970-2100
Entry Field 5	Compliance Category	1 - Domestic Passenger Vehicles 2 - Import Passenger Vehicles 7 - Domestic Light Trucks 8 - Import Light Trucks A - Domestic Passenger Vehicles - Baseline Calculation (without extra credit for dual fuel, alternative fueled vehicles) B - Import Passenger Vehicles - Baseline Calculation (without extra credit for dual fuel, alternative fueled vehicles) C - Light Trucks - Baseline Calculation (without extra credit for dual fuel, alternative fueled vehicles)
Entry Field 6	Total Sales	0000000-9999999
Entry Field 7	Average FE Unadjusted 4 Decimal	00.0000-99.9999 <i>Note:</i> The mpg value entered may exceed the 1.2 mpg maximum credit allowed for production of dual fuel, alternative fueled vehicles.

Entry Field 8	Average FE Unadjusted 1 Decimal	00.0-99.9 <i>Note:</i> The mpg value entered may exceed the 1.2 mpg maximum credit allowed for production of dual fuel, alternative fueled vehicles.
Entry Field 9	Average FE Adjusted	00.0-99.9 <i>Note:</i> The mpg value entered may exceed the 1.2 mpg maximum credit allowed for production of dual fuel, alternative fueled vehicles.
Entry Field 10	Applicable Standard	00.0-99.9
Entry Field 11	Official CAFE MPG Value	00.0-99.9 If not entered for compliance category 1, 2, 7 or 8, "average FE Adjusted" will be used. Leave this field blank for compliance category A, B or C. <i>Note:</i> The mpg value entered should <u>not</u> exceed the 1.2 mpg maximum credit allowed for production or dual fuel, alternative vehicles.