Verify Light-Duty Business Rules with Greenhouse Gas Updates

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Compliance and Innovative Strategies Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency

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Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Certification	Test Group	LD-CERT-TG-BR101	If the Process Code (TG-0.5) is 'C' (Correction) then there cannot be any locked and active Certificate Summary Information Reports (CSIs) which reference this Test Group Name (TG-2).	(TG-2)	Not in the System	Under Development (To Be Added)
Certification	Test Group	LD-CERT-TG-BR186	If Official Charge Depleting Highway Test Number (TG-219.4) is entered, then its associated Test Procedure (TI-8) must be equal to '84' (Charge Depleting Highway).	(TG-219.4) (TI-8)	Not in the System	Under Development (To Be Added)
Certification	Test Group	LD-CERT-TG-BR187	If Official Charge Depleting UDDS Test Number (TG-219.3) is entered, then its associated Test Procedure (TI-8) must be equal to '81' (Charge Depleting UDDS).	(TG-219.3) (TI-8)	Not in the System	Under Development (To Be Added)
Certification	Test Group	LD-CERT-TG-BR188	If GHG Exempt Status (TG-216.7) equals 'NE' (Not Exempt), then a Test Result/Emission Name (TG-209) in the 'Exhaust Emission Standards' section equal to either 'CREE' or 'OPT-CREE' must exist and is required to include either an Additive DF (TG-214) or a Multiplicative DF (TG-215). Otherwise, it is optional.	(TG-219.3)	Not in the System	Under Development (To Be Added)
Certification	Test Group	LD-CERT-TG-BR189	If the Model Year (TG-6) is greater than or equal to 2012 and if the Exhaust Test Number (TG-202.5) has a Test 5-Cycle Category (TI-45) of 'FTP75' or 'HWY', then that Exhaust Test Number (TG-202.5) must have a Rounded Adjusted CREE (TI-19.4) or Rounded Adjusted OPT-CREE (TI-19.8). The test number specified will need to be resubmitted to allow Verify to perform this calculation.	(TG-202.5) (TI-19.4) (TI-19.8)	Not in the System	Under Development (To Be Added)
Certification	Test Group	LD-CERT-TG-BR190	If Official Test Numbers and Charge Depleting Official Test Numbers are present then they must also be entered in All Certification Exhaust Test Numbers section.	N/A	Not in the System	Under Development (To Be Added)
Certification Test Data	Test Information	LD-CTD-TI-BR068a	If a Test Result/Emission Name (TI-19) value of 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) is submitted, then Test Result/Emission Name (TI-19) values of 'HC-NM' (Non-methane Hydrocarbon), 'Methane' (Methane) and 'N2O' (Nitrous Oxide) are also required. Otherwise, they are optional.	(TI-19)	Not in the System	Under Development (To Be Added)
Certification Test Data	Test Information	LD-CTD-TI-BR068a	If a Test Result/Emission Name (TI-19) value of 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) is submitted, then Test Result/Emission Name (TI-19) values of 'HC-NM' (Non-methane Hydrocarbon), 'Methane' (Methane) and 'N2O' (Nitrous Oxide) are also required. Otherwise, they are optional.	(TI-19)	Not in the System	Under Development (To Be Added)
Certification Test Data	Test Information	LD-CTD-TI-BR069a	If Original Test Vehicle Model Year (VI-7) is greater or equal to 2012, and if any of the following are true: Test 5-Cycle Category (TI-45) is equal to 'FTP75' (Federal Test Procedure (75 °F), Test 5-Cycle Category (TI-45) is equal to 'HWY' (Highway NOx), Test Procedure (TI-8) is equal to '81' (Charge Depleting UDDS) or Test Procedure (TI-8) is equal to '84' (Charge Depleting Hwy), then at least one Test Result/Emission Name (TI-19) value of 'CREE' or 'OPT-CREE' is required, otherwise they are optional. Note - For charge depleting tests, 'CREE' or 'OPT-CREE' values for the entire test should be submitted in Bag/Phase #1.	(TI-19)	Not in the System	Under Development (To Be Added)

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Certification Test Data	Test Information	LD-CTD-TI-BR069b	If Original Test Vehicle Model Year (VI-7) is greater or equal to 2012, and if any of the following are true: Test 5-Cycle Category (TI-45) is equal to 'FTP75' (Federal Test Procedure (75 °F), Test 5-Cycle Category (TI-45) is equal to 'HWY' (Highway NOx), Test Procedure (TI-8) is equal to '81' (Charge Depleting UDDS) or Test Procedure (TI-8) is equal to '84' (Charge Depleting Hwy), then at least one Test Result/Emission Name (TI-19) value of 'CREE' or 'OPT-CREE' is required, otherwise they are optional. Note - For charge depleting tests, 'CREE' or 'OPT-CREE' values for the entire test should be submitted in Bag/Phase #1.	(TI-19)	Not in the System	Under Development (To Be Added)
Certification Test Data	Test Information	LD-CTD-TI-BR069c	If Original Test Vehicle Model Year (VI-7) is greater or equal to 2012, and if any of the following are true: Test 5-Cycle Category (TI-45) is equal to 'FTP75' (Federal Test Procedure (75 °F), Test 5-Cycle Category (TI-45) is equal to 'HWY' (Highway NOx), Test Procedure (TI-8) is equal to '81' (Charge Depleting UDDS) or Test Procedure (TI-8) is equal to '84' (Charge Depleting Hwy), then at least one Test Result/Emission Name (TI-19) value of 'CREE' or 'OPT-CREE' is required, otherwise they are optional. Note - For charge depleting tests, 'CREE' or 'OPT-CREE' values for the entire test should be submitted in Bag/Phase #1.	(TI-19)	Not in the System	Under Development (To Be Added)
Certification Test Data	Test Information	LD-CTD-TI-BR070	If Test 5-Cycle Category (TI-45) is FTP75 or HWY and if Test Result/Emission Name (TI-19) values of 'HC-NM' (Non-methane Hydrocarbon), 'METHANE' (CH4 - Methane) and 'N2O' (Nitrous Oxide) are submitted, then Unrounded Unadjusted OPT-CREE (TI-19.5) is required.	(TI-19.5)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR001a	If Process Code (CA-3) is equal to 'R' (Report) or 'C' (Correction), then a record must exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).	(CA-4) (CA-0) (CA-1)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR001b	If Process Code (CA-3) is equal to 'R' (Report) or 'C' (Correction), then a record must exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).	(CA-4) (CA-0) (CA-1)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR002	If Process Code (CA-3) is equal to 'N' (New), then a record must not exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).	(CA-4) (CA-0) (CA-1)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR003	If CAFE Compliance Category (CA-4) is equal to 'LT' (Light Trucks), then CAFE Standard Type Indicator (CA-10) is required.	(CA-10)	Active	Under Development (To Be Deleted)
Fuel Economy	CAFE	LD-FE-CA-BR004	If Model Year (CA-1) is greater or equal to 2011, then CAFE Standard Type Indicator (CA-10) is required to equal 'R' (Reformed CAFE).	(CA-10)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR005a	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE), then Reformed Model Type Index (CA-14) is required; otherwise, it is not allowed.	(CA-14)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR005b	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE), then Reformed Model Type Index (CA-14) is required; otherwise, it is not allowed.	(CA-14)	Active	Under Development (To Be Updated)

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Fuel Economy	CAFE	LD-FE-CA-BR005c	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE), then Model Type Index (CA-14) is required; otherwise, it is not allowed.	(CA-14)	Active	Under Development (To Be Deleted)
Fuel Economy	CAFE	LD-FE-CA-BR005d	If CAFE Type Indicator (CA-10) is equal to 'R' (Reformed CAFE), then Model Type Index (CA-14) is required; otherwise, it is not allowed.	(CA-14)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR006	If Model Type Index (CA-14) is provided, then a Fuel Economy Label must exist in the system for this Model Year (CA-1), Manufacturer Code (CA-0) and Model Type Index (CA-14).	(CA-1) (CA-0) (CA-14)	Active	Under Development (To Be Deleted)
Fuel Economy	CAFE	LD-FE-CA-BR007a	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE), then Footprint Final Model Year Production Units (CA-20) and Footprint Target FE Value (miles per gallon) (CA-21) are required; otherwise, they are not allowed.	(CA-20) (CA-21)	Active	Under Development (To Be Deleted)
Fuel Economy	CAFE	LD-FE-CA-BR007b	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE), then Footprint Final Model Year Production Units (CA-20) and Footprint Target FE Value (miles per gallon) (CA-21) are required; otherwise, they are not allowed.	(CA-20) (CA-21)	Active	Under Development (To Be Deleted)
Fuel Economy	CAFE	LD-FE-CA-BR007c	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE), then Footprint Final Model Year Production Units (CA-20) and Footprint Target FE Value (miles per gallon) (CA-21) are required; otherwise, they are not allowed.	(CA-20) (CA-21)	Active	Under Development (To Be Deleted)
Fuel Economy	CAFE	LD-FE-CA-BR008	A Fuel Economy Label must exist in the system for the Model Type Index (CA-25), Carline Manufacturer Code (CA-25.1), and Model Year (CA-1).	(CA-25) (CA-0) (CA-1)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR010	Test Number (CA-35) must exist in Test Information (TI-1).	(CA-35)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR011a	Test Number (CA-35) must be present when Subconfiguration Index (CA-29.5) is between 1 and 49 (inclusive) and Configuration Index (CA-26) is between 1 and 499 (inclusive), which indicates that the Subconfiguration is represented by a test.	(CA-35)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR011b	Test Number (CA-35) must be present when Subconfiguration Index (CA-29.5) is between 1 and 49 (inclusive) and Configuration Index (CA-26) is between 1 and 499 (inclusive), which indicates that the Subconfiguration is represented by a test.	(CA-35)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR011c	Test Number (CA-35) must be present when Sub Configuration Index (CA-29.5) is between 1 and 49 (inclusive) and Configuration Index (CA-26) is between 1 and 499 (inclusive), which indicates that the Sub configuration is represented by a test.	(CA-35)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR011d	Test Number (CA-35) must be present when Subconfiguration Index (CA-29.5) is between 1 and 49 (inclusive) and Configuration Index (CA-26) is between 1 and 499 (inclusive), which indicates that the Subconfiguration is represented by a test.	(CA-35)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR012a	The Test 5-Cycle Category (TI-45) for this Test Number (CA-35) must be equal to 'FTP75' (Test Procedure equal to '2', '21', '25', '31', '35', '41', '45') or 'HWY' (Test Procedure equal to '3').	(CA-35) (TI-43)	Active	Under Development (To Be Updated)

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Fuel Economy	CAFE	LD-FE-CA-BR012b	The Test 5-Cycle Category (TI-45) for this Test Number (CA-35) must be equal to 'FTP75' (Test Procedure equal to '2', '21', '25', '31', '35', '41', '45') or 'HWY' (Test Procedure equal to '3').	(CA-35) (TI-43)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR013	If Averaging Method (CA-40) is equal to 'N' (No Averaging), then Averaging Group Indicator (CA-41) must not be present.	(CA-41)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR014	If Averaging Method (CA-40) is not equal to 'N' (No Averaging), then Averaging Weighting Factor (CA-42) is required.	(CA-42)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR015	Final Model Year Production Units (CA-5) must not equal zero.	(CA-5)	Active	Under Development (To Be Deleted)
Fuel Economy	CAFE	LD-FE-CA-BR016	If the Process Code (CA-3) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CA-0) of the dataset for which the report was requested.	(CA-0)	Active	Not Under Development
Fuel Economy	CAFE	LD-FE-CA-BR017	If the Process Code (CA-3) is equal to 'N' (New) or 'C' (Correction), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CA-0) of the submitted dataset.	(CA-0)	Active	Not Under Development
Fuel Economy	CAFE	LD-FE-CA-BR018	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE), then Manufacturer Calculated Unrounded Reformed CAFE Standard (CA-22.3) is required; otherwise, it is not allowed.	(CA-22.3)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR020	The Fuel Usage for the Test Number (CA-35) must be the same as one of the Fuel Usages (GL-89) for the Label.	(CA-35) (GL-89)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR021a	Manufacturer Code (CA-0) must exist in the system.	(CA-0)	Active	Not Under Development
Fuel Economy	CAFE	LD-FE-CA-BR021b	Manufacturer Code (CA-0) must exist in the system.	(CA-0)	Active	Not Under Development
Fuel Economy	CAFE	LD-FE-CA-BR022	If Footprint Index (CA-14.5) is provided, then a Footprint dataset must exist in the system for this Model Year (CA-1), Manufacturer Code (CA-0), Footprint Index (CA-14.5), and the Carline which is derived from Model Type Index (CA-14).	(CA-1) (CA-0) (CA-14)	Active	Under Development (To Be Deleted)
Fuel Economy	CAFE	LD-FE-CA-BR023	Each Base Level within a Model Type must have a unique Inertia Weight Class (CA-25.6).	(CA-25.6)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR024	Each Configuration within a Base Level must have a unique Configuration Index Number (CA-26).	(CA-26)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR025	Each SubConfiguration within a Configuration must have a unique SubConfiguration Index Number (CA-29.5).	(CA-29.5)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR026	Each Configuration within a Base Level must be a unique combination of Engine Code (CA-28), Axle Ratio (CA-29), and Transmission Configuration Code (CA-27).	(CA-29) (CA-27) (CA-28)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR027	Each SubConfiguration within a Configuration must be a unique combination of Equivalent Test Weight (CA-31) and Road Load Horsepower (CA-30).	(CA-31) (CA-30)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR028	A Configuration with a new Configuration Index (CA-26) must not have the same combination of Engine Code (CA-28), Axle Ratio (CA-29), and Transmission Configuration Code (CA-27) as a Configuration previously entered in FE Label for the same Model Type and Base Level.	(CA-26) (CA-28) (CA-29) (CA-27)	Active	Under Development (To Be Deleted)

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Fuel Economy	CAFE	LD-FE-CA-BR032	If the Carline Manufacturer Code (CA-25.1) of the Model Type is different than the Submitter's Manufacturer Code (in Submission Author Details), then permission must be granted by the Carline Manufacturer for the Submitting Manufacturer to use the Carline associated with the FE Label submission referenced by the combination of Model Year (CA-1), Carline Mfr Code (CA-25.1), and Model Type Index (CA-14).	(CA-25) (CA-25.1)	Active	Under Development (To Be Updated)
Fuel Economy	CAFE	LD-FE-CA-BR033	If Model Year (CA-1) is greater than or equal to 2012, and GHG Calculation Method (CA-128) is equal to 'OPT-CREE' (Opt-CREE) then Opt-CREE N2O Default Indicator (CA-129) is required. Otherwise it is optional.	(CA-129)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR034	If Model Year (CA-1) is greater than or equal to 2012, then GHG Exempt Indicator (CA-127) is required. Otherwise it is optional.	(CA-127)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR035	If Model Year (CA-1) is greater than or equal to 2012, then GHG Calculation Method (CA-128) is required. Otherwise it is optional.	(CA-128)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR039	If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Official Model Year GHG Production Units (CA-132) is required. Otherwise it is optional.	(CA-132)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR040	If CAFE/GHG Compliance category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Official Model Year Truck CAFE Production Units (CA-50) is required. Otherwise it is optional.	(CA-50)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR041	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Model Year Domestic Passenger Vehicle CAFE Production Units (CA-51) is required. Otherwise it is optional.	(CA-51)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR042	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Model Year Import Passenger Vehicle CAFE Production Units (CA-52) is required. Otherwise it is optional.	(CA-52)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR055	If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Baseline Average GHG Unrounded 4 Decimal (CA-138) is required. Otherwise it is optional.	(CA-138)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR056	If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Baseline Average GHG TLAAS Unrounded 4 Decimal (CA-139) is required. Otherwise it is optional.	(CA-139)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR057	If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Baseline Truck CAFE Unrounded 4 Decimal (CA-56) is required. Otherwise it is optional.	(CA-56)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR058	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Domestic Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-57) is required. Otherwise it is optional.	(CA-57)	Not in the System	Under Development (To Be Added)

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Fuel Economy	CAFE	LD-FE-CA-BR059	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Import Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-58) is required. Otherwise it is optional.	(CA-58)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR060	If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Baseline Average GHG Rounded Whole Number (CA-140) is required. Otherwise it is optional.	(CA-140)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR061	If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Baseline Average GHG TLAAS Rounded Whole Number (CA-141) is required. Otherwise it is optional.	(CA-141)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR062	If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Baseline Truck CAFE Rounded 1 Decimal (CA-62) is required. Otherwise it is optional.	(CA-62)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR063	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Domestic Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-64) is required. Otherwise it is optional.	(CA-64)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR064	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Import Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-65) is required. Otherwise it is optional.	(CA-65)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR065	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Domestic Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-68) is required. Otherwise it is optional.	(CA-68)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR066	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Import Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-69) is required. Otherwise it is optional.	(CA-69)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR079	If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Final Average GHG Unrounded 4 Decimal (CA-146) is required. Otherwise it is optional.	(CA-146)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR080	If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Final Average GHG TLAAS Unrounded 4 Decimal (CA-147) is required. Otherwise it is optional.	(CA-147)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR081	If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Final Truck CAFE Unrounded 4 Decimal (CA-72) is required. Otherwise it is optional.	(CA-72)	Not in the System	Under Development (To Be Added)

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Fuel Economy	CAFE	LD-FE-CA-BR082	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Domestic Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-73) is required. Otherwise it is optional.	(CA-73)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR083	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Import Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-74) is required. Otherwise it is optional.	(CA-74)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR084	If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Final Average GHG Rounded Whole Number (CA-148) is required. Otherwise it is optional.	(CA-148)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR085	If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Final Average GHG TLAAS Rounded Whole Number (CA-149) is required. Otherwise it is optional.	(CA-149)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR086	If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Final Truck CAFE Rounded 1 Decimal (CA-150) is required. Otherwise it is optional.	(CA-150)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR087	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Domestic Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-80) is required. Otherwise it is optional.	(CA-80)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR088	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Import Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-81) is required. Otherwise it is optional.	(CA-81)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR089	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Domestic Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-84) is required. Otherwise it is optional.	(CA-84)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR090	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Import Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-85) is required. Otherwise it is optional.	(CA-85)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR096	If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Official Average GHG Grams Per Mile (CA-153) is required. Otherwise it is optional.	(CA-153)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR097	If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Official Average GHG TLAAS Grams Per Mile (CA-154) is required. Otherwise it is optional.	(CA-154)	Not in the System	Under Development (To Be Added)

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Fuel Economy	CAFE	LD-FE-CA-BR098	If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Official Truck CAFE Miles Per Gallon (CA-88) is required. Otherwise it is optional.	(CA-88)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR099	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Domestic Passenger Vehicle CAFE Miles Per Gallon (CA-89) is required. Otherwise it is optional.	(CA-89)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR100	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Import Passenger Vehicle CAFE Miles Per Gallon (CA-90) is required. Otherwise it is optional.	(CA-90)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR101	If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then CAFE Domestic/Import Indicator (CA-155) is required. Otherwise it is optional.	(CA-155)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR102	If Model Year (CA-1) is greater than or equal to 2012 and Model Year (CA-1) is less than or equal to 2016, then GHG TLAAS Indicator (CA-156) is required, otherwise it is not allowed.	(CA-156)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR104	If Model Year (CA-1) is greater than or equal to 2012, then Footprint Final Model Year GHG Production Units (CA-158) is required. Otherwise it is optional.	(CA-158)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR136	If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Subconfiguration Final Model Year GHG Production Units (CA-193) is required. Otherwise it is optional.	(CA-193)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR137	If Model Year (CA-1) greater than or equal to 2011, then Averaging Method (CA-40) cannot be 'S' (Simple Averaging).	(CA-40)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR138	If CAFE Standard Type Indicator (CA-10) is equal to 'R', then Carline Manufacturer Code (CA-11.5) is required. Otherwise it is optional.	(CA-11.5)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR139	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE) then Division Code (CA-12) is required. Otherwise it is optional.	(CA-12)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR140	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE) then Carline Code (CA-13) is required. Otherwise it is optional.	(CA-13)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR143	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE) then Footprint Index (CA-14.5) is required. Otherwise it is optional.	(CA-14.5)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR145	If CAFE Standard Type Indicator (CA-10) is equal to 'R' (Reformed CAFE) then Footprint Final Model Year Production Units (CA-20) is required, otherwise it is optional.	(CA-20)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR154	If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Unrounded GHG Standard (CA-160) is required. Otherwise it is optional.	(CA-160)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR156	If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Official Model Year GHG TLAAS Production Units (CA-133) is required. Otherwise it is optional.	(CA-133)	Not in the System	Under Development (To Be Added)

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Fuel Economy	CAFE	LD-FE-CA-BR157	If Footprint Index (CA-14.5) is provided in a CAFE submission then the Footprint Index (CA-14.5) must exist in the system for this Model Year (CA-1), Carline Manufacturer Code (CA-11.5), Division Code (CA-12) and Carline Code (CA-13).	(CA-1) (CA-11.5) (CA-12) (CA-13)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR160	If GHG Calculation Method (CA-128) is equal to 'OPT-CREE' and if Test Procedure (TI-8) does not equal to '81' (Charge Depleting UDDS) or '84' (Charge Depleting Hwy), then Rounded Adjusted OPT-CREE (TI-19.8) must exist.	(TI-19.8)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR161	If GHG Calculation Method (CA-128) is equal to 'OPT-CREE' and if Test Procedure (TI-8) does not equal to '81' (Charge Depleting UDDS) or '84' (Charge Depleting Hwy), then Test Result/Emission Name (TI-19) equal to 'OPT-CREE' must exist.	(TI-19)	Not in the System	Under Development (To Be Added)
Fuel Economy	CAFE	LD-FE-CA-BR162	If a CAFE/GHG submission already exists in Verify for the same manufacturer and model year (but for a different CAFE/GHG Compliance Category (CA-4)), then GHG Calculation Method (CA-128) must be identical to the one already submitted.	(CA-128)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR004	If the Manufacturer Code of the Submission Author Details is different from the Carline Manufacturer Code (FT-1), then the Manufacturer Code of the Submission Author Details must have the permission to use the specified Carline Manufacturer Code (FT-1).	(FT-0.7) (FT-1)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR005	If Process Code (FT-0.5) equals 'C' (Correction) then a record must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).	(FT-1) (FT-2) (FT-3) (FT-4)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR006	If Process Code (FT-0.5) equals 'N' (New) then a record must not exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).	(FT-1) (FT-2) (FT-3) (FT-4)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR007	If Process Code (FT-0.5) equals 'R' (Report), then a record must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).	(FT-1) (FT-2) (FT-3) (FT-4)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR008	Carline Manufacturer Code (FT-1) must exist in the system.	(FT-1)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR009	For a Footprint submission, the Carline must already exist in the system with the same Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1).	(FT-1) (FT-2) (FT-3) (FT-4)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR010	If Process Code (FT-0.5) is 'N' (New) then Footprint Index (FT-5) is not allowed.	(FT-5)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR011	If Process Code (FT-0.5) is 'C' (Correction) and Footprint Index (FT-5) is not blank, then a Footprint Record must already exist in the system with the same Footprint Index (FT-5), Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1).	(FT-1) (FT-2) (FT-3) (FT-4) (FT-5)	Not in the System	Under Development (To Be Added)

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Fuel Economy	Footprint	LD-FE-FT-BR012	Each footprint record within the same submission must be a unique combination of 'Footprint Description' (FT-6), 'Wheelbase (inches)' (FT-7), 'Front Track Width (inches)' (FT-8), and 'Rear Track Width (inches)' (FT-9) for the same Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1).	(FT-6) (FT-7) (FT-8) (FT-9)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR013	A new Footprint record with a Footprint Index that is blank cannot be the same combination of 'Footprint Description' (FT-6), 'Wheelbase (inches)' (FT-7), 'Front Track Width (inches)' (FT-8), and 'Rear Track Width (inches)' (FT-9) as a previously submitted footprint for the same Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1).	(FT-1) (FT-2) (FT-3) (FT-4) (FT-6) (FT-7) (FT-8) (FT-9)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR014	If Process Code (FT-0.5) is 'D' (Delete) then at least one active footprint record must exist for the same Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1).	(FT-1) (FT-2) (FT-3) (FT-4)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-BR015	If Process Code (FT-0.5) is 'D' (Delete) then the Carline associated with the Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1) must not have been used in any active CAFE dataset.	(FT-1) (FT-2) (FT-3) (FT-4)	Not in the System	Under Development (To Be Added)
Fuel Economy	Footprint	LD-FE-FT-IB004	If the Process Code (FT-0.5) equals 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (FT-0.7) of the dataset for which the report was requested. (NOTE: The footprint report can only be requested by users with the same manufacturer code as the submitting manufacturer code).	(FT-0.5)	Not in the System	Under Development (To Be Added)
Fuel Economy	FE Label	LD-FE-GL-BR001b	If Process Code (GL-0.5) equals 'R' (Report) or 'C' (Correction), then a record must already exist in the system with the same Model Type Index (GL-1), Manufacturer Code (GL-2), and Model Year (GL-3).	(GL-1) (GL-2) (GL-3)	Active	Under Development (To Be Updated)
Fuel Economy	FE Label	LD-FE-GL-BR042	If the Process Code (GL-0.5) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (GL-2) of the dataset for which the report was requested.	(GL-2)	Active	Under Development (To Be Updated)
Fuel Economy	FE Label	LD-FE-GL-BR099	If the Process Code (GL-0.5) is equal to 'N' (New) and if the combination of Model Year (GL-3), Carline Manufacturer Code (GL-10), Division Code (GL-11), Carline Code (GL-12), Test Group (GL-13.5), Engine Configuration Number (GL-25), Transmission Type (GL-67), Transmission Lockup (GL-69), Transmission Creeper Gear (GL-70), Total Number of Transmission Gears (GL-71), Number of Transmission Modes (GL-76), and Drive System (GL-72) with the same values already exists in a fuel economy label, then Model Type Descriptor Field (GL-78.2) is required.	(GL-78.2)	Active	Not Under Development

Compliance	Dataset	Business Rule	Business Rule Text	Target Data Element	Production Status	Development Status
Fuel Economy	FE Label	LD-FE-GL-BR118	If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-MOD' (Modified 5-cycle), and EPA Vehicle Class (TG-16) does not equal 'MDPV', and the Test Group (GL-126) specified in the subconfiguration sales section contains a Test Group Fuel (TG-217.1) equal to 'G' (Gasoline) or 'D' (Diesel), then Test Group (GL-126) must have valid values (non-Null) for EPA City Litmus Value (TG-219.3.1) and EPA City Litmus Threshold (TG-219.3.2), and EPA City Litmus Value (TG-219.3.1) must be greater than or equal to EPA City Litmus Threshold (TG-219.3.2).	(GL-126) (TG-219.3.1) (TG-219.3.2)	Active	Not Under Development
Fuel Economy	FE Label	LD-FE-GL-BR119	If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-DRV' (Derived 5-cycle), and EPA Vehicle Class (TG-16) does not equal 'MDPV', and the Test Group (GL-126) specified in the subconfiguration sales section contains a Test Group Fuel (TG-217.1) equal to 'G' (Gasoline) or 'D' (Diesel), then Test Group (GL-126) must have valid values (non-Null) for EPA City Litmus Value (TG-219.3.1), EPA City Litmus Threshold (TG-219.3.2), EPA Highway Litmus Value (TG-219.4.1), and EPA Highway Litmus Threshold (TG-219.4.2), and EPA City Litmus Value (TG-219.3.1) must be greater than or equal to EPA City Litmus Threshold (TG-219.3.2), and EPA Highway Litmus Value (TG-219.4.1) must be greater than or equal to EPA Highway Litmus Threshold (TG-219.4.2)	(GL-126) (TG-219.4.1) (TG-219.4.2) (TG-219.3.1) (TG-219.3.2)	Active	Not Under Development
Fuel Economy	Road Load	LD-FE-RL-BR001	If Process Code (RL-1) is equal to 'R' or 'D' or 'C' (Correction) , then a record must exist in Verify for the primary key of this module.	(RL-1)	Not in the System	Under Development (To Be Added)
Fuel Economy	Road Load	LD-FE-RL-BR002	If process code (RL-1) is equal to 'N', then FE Model Type Index (RL-2) and Mfr Code and Model Year (RL-1.6) must not exist; otherwise, it must exist.	(RL-2) (RL-1.6)	Not in the System	Under Development (To Be Added)
Fuel Economy	Road Load	LD-FE-RL-BR003	If roadload information is being provided for an existing subconfiguration that was used in FE label, then the FE Label Subconfiguration Index (RL-3) is required.	(RL-3)	Not in the System	Under Development (To Be Added)
Fuel Economy	Road Load	LD-FE-RL-BR004	Manufacturer-Calculated Total Road Load Horsepower (RL-22) must equal the EPA-calculated Total Road Load Horsepower (RL-23) after both have been rounded to '0.1'.	(RL-22) (RL-23)	Not in the System	Under Development (To Be Added)