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# Greenhouse Gas Business Rules for VERIFY Greenhouse Gas and Fuel Economy Testing

Draft

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Draft

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

# Business Rules - EPA And Mfr Testing

List All LD BRs EPA / Mfr Testing (420 issues)					
Key	Dataset	Business Rule Identifier	Business Rule Text	Development Status	Production Status
VERIFY-3113	Carline	LD-CERT-CL-BR001	Manufacturer Code (CL-1) must exist in the system.	Not Under Development	Active
VERIFY-3114	Carline	LD-CERT-CL-BR002a	If Process Code (CL-0.5) equals 'C' (Correction) then a record must already exist in the system with the same Model Year (CL-2), Division Code (CL-3), Carline Code (CL-4), and Manufacturer Code (CL-1).	Not Under Development	Active
VERIFY-3115	Carline	LD-CERT-CL-BR002b	If Process Code (CL-0.5) equals 'R' (Report) then a record must already exist in the system with the same Model Year (CL-2), Division Code (CL-3), Carline Code (CL-4), and Manufacturer Code (CL-1).	Not Under Development	Active
VERIFY-3116	Carline	LD-CERT-CL-BR003	For any submission, the Division Code (CL-3) must already exist in the system.	Not Under Development	Active
VERIFY-3117	Carline	LD-CERT-CL-BR004	If Process Code (CL-0.5) equals 'N' (New) then the Carline Code (CL-4) must not exist in the system for that Manufacturer Code (CL-1) and Division Code (CL-3) and Model Year (CL-2).	Not Under Development	Active
VERIFY-3118	Carline	LD-CERT-CL-BR005	If the Class Code (CL-5) equals '2' (Mini Compact), '3' (Subcompact), '4' (Compact), '5' (Midsize), '6' (Large), '7' (Small Station Wagon), '8' (Midsize Station Wagon), or '9' (Large Station Wagon) (indicating a passenger vehicle that is not a two-seater) then Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) are required, otherwise not allowed.	Under Development (To Be Updated)	Active
VERIFY-3122	Carline	LD-CERT-CL-BR009	If the Process Code (CL-0.5) is equal to 'R' (Report) the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CL-1) of the dataset for which the report was requested.	Not Under Development	Active
VERIFY-3123	Carline	LD-CERT-CL-BR010	If the Process Code (CL-0.5) is equal to 'N' or 'C' then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CL-1) of the submitted dataset.	Not Under Development	Active
VERIFY-3124	Carline	LD-CERT-CL-BR011	If the Process Code (CL-0.5) is 'C' (Correction) then there cannot be any locked and active Certificate Summary Information Reports (CSIs) which reference this Carline Code (CL-4).	Not Under Development	Active
VERIFY-3125	Carline	LD-CERT-CL-BR012	If this is a Batch Data set then for each Carline with Process Code (CL-0.5) equals 'N' (New) the Carline Code (CL-4), Manufacturer Code (CL-1), Division Code (CL-3) and Model Year (CL-2) must be unique.	Not Under Development	Active
VERIFY-3341	Carline	LD-CERT-CL-BR013	If FE Label Carline Class Code is 2 (Minicompact Cars) then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) rounded to a whole number must be less than 85.	Under Development (To Be Added)	Not in the System
VERIFY-3342	Carline	LD-CERT-CL-BR014	If FE Label Carline Class Code is 3 (Subcompact Cars) then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) rounded to a whole number must be greater than or equal to 85 and less than 100.	Under Development (To Be Added)	Not in the System
VERIFY-3343	Carline	LD-CERT-CL-BR015	If FE Label Carline Class Code is 4 (Compact Cars) then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) rounded to a whole number must be greater than or equal to 100 and less than 110.	Under Development (To Be Added)	Not in the System
VERIFY-3344	Carline	LD-CERT-CL-BR016	If FE Label Carline Class Code is 5 (Midsize Cars) then the sum of Average Passenger Volume (CL-9) and	Under Development	Not in the

			Average Luggage Volume (CL-10) rounded to a whole number must be greater than or equal to 110 and less than 120.	(To Be Added)	System
VERIFY-3345	Carline	LD-CERT-CL-BR017	If FE Label Carline Class Code is 6 (Large Cars) then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) rounded to a whole number must be greater than or equal to 120.	Under Development (To Be Added)	Not in the System
VERIFY-3346	Carline	LD-CERT-CL-BR018	If FE Label Carline Class Code is 7 (Small Station Wagons) then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) rounded to a whole number must be less than 130.	Under Development (To Be Added)	Not in the System
VERIFY-3347	Carline	LD-CERT-CL-BR019	If FE Label Carline Class Code is 8 (Midsize Station Wagons) then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) rounded to a whole number must be greater than or equal to 130 and less than 160.	Under Development (To Be Added)	Not in the System
VERIFY-3348	Carline	LD-CERT-CL-BR020	If FE Label Carline Class Code is 9 (Large Station Wagons) then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) rounded to a whole number must be greater than or equal to 160.	Under Development (To Be Added)	Not in the System
VERIFY-3349	Carline	LD-CERT-CL-IB001	The selected value for FE Label Carline Class Code (CL-5) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3059	Decision Information	LD-CFT-DI-BR001	Manufacturer Code (DI-1) must exist in the system.	Not Under Development	Active
VERIFY-3060	Decision Information	LD-CFT-DI-BR002	The Model Year (DI-5) must match the model year embedded in the Test Group (DI-7).	Not Under Development	Active
VERIFY-3061	Decision Information	LD-CFT-DI-BR003	The Model Year (DI-5) must match the model year embedded in the Evaporative/Refueling Family (DI-8).	Not Under Development	Active
VERIFY-3062	Decision Information	LD-CFT-DI-BR004	The Manufacturer Code (DI-1) must match the manufacturer code embedded in the Test Group (DI-7).	Not Under Development	Active
VERIFY-3063	Decision Information	LD-CFT-DI-BR005	The Manufacturer Code (DI-1) must match the manufacturer code embedded in the Evaporative/Refueling Family (DI-8).	Not Under Development	Active
VERIFY-3064	Decision Information	LD-CFT-DI-BR006	The displacement embedded in the Test Group (DI-7) must be a valid number.	Not Under Development	Active
VERIFY-3065	Decision Information	LD-CFT-DI-BR008	The canister working capacity embedded in the Evaporative/Refueling Family (DI-8) must be a valid number.	Not Under Development	Active
VERIFY-3066	Decision Information	LD-CFT-DI-BR010a	If Process Code (DI-0.5) is equal to 'R' (Report) or 'C' (Correction) then a record must already exist in the system with the same Vehicle ID (DI-3), Vehicle Configuration (DI-4), Manufacturer Code (DI-1) and Model Year (DI-5).	Under Development (To Be Updated)	Active
VERIFY-3068	Decision Information	LD-CFT-DI-BR011	If Process Code (DI-0.5) is equal to 'N' (New) then a record must already exist in the system with the same Vehicle ID (DI-3), Vehicle Configuration (DI-4), and Manufacturer Code (DI-1).	Not Under Development	Active
VERIFY-3069	Decision Information	LD-CFT-DI-BR012	At least one Federal Exhaust Emission Standard Level (DI-9) or California Exhaust Standard Emission Standard Level (DI-10) must be selected.	Not Under Development	Active
VERIFY-3070	Decision Information	LD-CFT-DI-BR013	If New Engine or Technology Indicator (DI-14) is equal to 'Y' (Yes) or 'YT' (Yes, but previously tested) then New Engine or Technology Description (DI-15) is required.	Not Under Development	Active
VERIFY-3071	Decision Information	LD-CFT-DI-BR014	If Running Change (DI-25.2) is equal to 'Y' (Yes) then Running Change Number (DI 25.3) and Running Change Date (DI-25.4) are required.	Not Under Development	Active
VERIFY-3072	Decision Information	LD-CFT-DI-BR015	Test Number (DI-17.5) must exist in the system.	Not Under Development	Active
VERIFY-3073	Decision Information	LD-CFT-DI-BR016	If the Process Code (DI-0.5) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (DI-1) of the dataset for which the report was requested.	Under Development (To Be Updated)	Active

VERIFY-3074	Decision Information	LD-CFT-DI-BR017	If the Process Code (DI-0.5) is equal to 'N' (New) or 'C' (Correction) then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (DI-1) of the submitted dataset.	Not Under Development	Active
VERIFY-3075	Decision Information	LD-CFT-DI-BR018	If the value of 'OT' (Other) is chosen for any of the 4 standards fields (DI-9 (Federal Exhaust Emission Standard Level), DI-10 (California Exhaust Emission Standard Level), DI-11 (Federal Evaporative Emission Standard Level), or DI-12 (California Evaporative Emission Standard Level)) then the Manufacturers Comments field (DI-28) is required.	Not Under Development	Active
VERIFY-3076	Decision Information	LD-CFT-DI-BR019	If Process Code (DI-0.5) is equal to 'N' (New), then a record cannot already exist in the system with the same Vehicle ID (DI-3), Vehicle Configuration (DI-4), Manufacturer Code (DI-1) and Model Year (DI-5), unless it is in the "Waived", "Completed" or "Deleted" states.	Under Development (To Be Updated)	Active
VERIFY-3337	Decision Information	LD-CFT-DI-BR020	If Model Year (DI-5) is equal to or greater than "2012", then the provided Test Number (DI-17.5) can not have a Test Procedure (TI-8) equal to '62' (Electric Vehicle Urban Range Test) or '63' (Electric Vehicle Highway Range Test).	Under Development (To Be Added)	Not in the System
VERIFY-3126	Evaporative / Refueling Family	LD-CERT-EV-BR001a	If Process Code (EV-0.5) is equal to 'C' (Correction) then a record must already exist in the system with the same Evaporative/Refueling Family Name (EV-1) and Model Year (EV-1.5).	Not Under Development	Active
VERIFY-3127	Evaporative / Refueling Family	LD-CERT-EV-BR001b	If Process Code (EV-0.5) is equal to 'R' (Report) then a record must already exist in the system with the same Evaporative/Refueling Family Name (EV-1) and Model Year (EV-1.5).	Not Under Development	Active
VERIFY-3128	Evaporative / Refueling Family	LD-CERT-EV-BR002	The Manufacturer Code embedded in the Evaporative/Refueling Family Name (EV-1) must match the Submitter's Manufacturer Code (in Submission Author Details).	Not Under Development	Active
VERIFY-3129	Evaporative / Refueling Family	LD-CERT-EV-BR003	The canister working capacity embedded in the Evaporative/Refueling Family (EV-1) must be a valid number.	Not Under Development	Active
VERIFY-3130	Evaporative / Refueling Family	LD-CERT-EV-BR005	If Evaporative Summary Information (EVSI) Type (EV-2) equals 'N' (New) then a record must not exist in the system for this Evaporative/Refueling Family Name (EV-1) and Model Year (EV-1.5).	Not Under Development	Active
VERIFY-3131	Evaporative / Refueling Family	LD-CERT-EV-BR006	If Fuel Tank Material (EV-7) is equal to 'P' (Plastic) or 'OT' (Other) then Fuel Tank Material Description (EV-8) is required.	Not Under Development	Active
VERIFY-3132	Evaporative / Refueling Family	LD-CERT-EV-BR007	If Air Intake System Vapor Storage Device (EV-10) is equal to 'Y' (Yes) then Air Intake System Vapor Storage Device Description (EV-10.5) is required.	Not Under Development	Active
VERIFY-3133	Evaporative / Refueling Family	LD-CERT-EV-BR008	If Number of Bleed Canisters (EV-15) is greater than '0' then Bleed Canister Total Working Capacity (EV-16) is required.	Not Under Development	Active
VERIFY-3134	Evaporative / Refueling Family	LD-CERT-EV-BR009	If the Process Code (EV-0.5) is equal to 'R' (Report) the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (EV-19) of the dataset for which the report was requested.	Not Under Development	Active
VERIFY-3135	Evaporative / Refueling Family	LD-CERT-EV-BR010	Fuel 1 (EV-4) cannot be equal to 'NA' (Not Applicable).	Under Development (To Be Deleted)	Active
VERIFY-3136	Evaporative / Refueling Family	LD-CERT-EV-BR011	If the Process Code (EV-0.5) is equal to 'N' (New) or 'C' (Correction) the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (EV-19) of the submitted dataset.	Not Under Development	Active
VERIFY-3137	Evaporative / Refueling Family	LD-CERT-EV-BR012	Manufacturer Code (EV-19) must exist in the system.	Not Under Development	Active
	Evaporative /		If the Process Code (EV-0.5) is 'C' (Correction) then there cannot be any locked and active Certificate Summary	Not Under	

VERIFY-3138	Refueling Family	LD-CERT-EV-BR013	Information Reports (CSIs) which reference this Evaporative/Refueling Family Name (EV-1).	Development	Active
VERIFY-3350	Evaporative / Refueling Family	LD-CERT-EV-BR014	One of the Fuel(s) (EV-3.5) selected must be "Gasoline" (G), "Methanol" (M), "Ethanol" (E), "Compressed Natural Gas" (CNG), "Liquified Natural Gas" (LNG), or "Liquified Petroleum Gas" (LPG).	Under Development (To Be Added)	Not in the System
VERIFY-3351	Evaporative / Refueling Family	LD-CERT-EV-BR015	If more than one fuel is selected for Fuel(s) (EV-3.5), then Multiple Fuel Storage (EV-3.6) is required, otherwise it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3353	Evaporative / Refueling Family	LD-CERT-EV-BR017	The selected value for Multiple Fuel Storage (EV-3.6) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3682	Evaporative / Refueling Family	LD-CERT-EV-IB001	The selected value for Fuel(s) (EV-3.5) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-2987	Fuel Properties	LD-CTD-FP-BR001	Manufacturer Code (FP-1) must exist in the system.	Not Under Development	Active
VERIFY-2988	Fuel Properties	LD-CTD-FP-BR002a	If Process Code (FP-0.5) is equal to 'R' (Report) or 'C' (Correction) then a record must already exist in the system with the same Fuel Batch ID (FP-2), Fuel Batch Calibration Number (FP-3), and Manufacturer Code (FP-1).	Not Under Development	Active
VERIFY-2989	Fuel Properties	LD-CTD-FP-BR002b	If Process Code (FP-0.5) is equal to 'R' (Report) or 'C' (Correction) then a record must already exist in the system with the same Fuel Batch ID (FP-2), Fuel Batch Calibration Number (FP-3), and Manufacturer Code (FP-1).	Not Under Development	Active
VERIFY-3006	Fuel Properties	LD-CTD-FP-BR019	If the Process Code (FP-0.5) is equal to 'R' (Report) the Manufacturer Code of the Submission Author Details must match the Manufacturer Code of the dataset for which the report was requested.	Not Under Development	Active
VERIFY-3007	Fuel Properties	LD-CTD-FP-BR020	If the Process Code (FP-0.5) is equal to 'N' (New) or 'C' (Correction) then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code of the submitted dataset.	Not Under Development	Active
VERIFY-3008	Fuel Properties	LD-CTD-FP-BR021	If the Process Code (FP-0.5) is equal to 'C' (Correction) then there cannot be any active tests, which reference these fuel properties, that are included in any locked Certificate Summary Information Reports (CSIs).	Under Development (To Be Updated)	Active
VERIFY-3009	Fuel Properties	LD-CTD-FP-BR022	If the Process Code (FP-0.5) is equal to 'N' (New) then a record cannot already exist in the system with the same Fuel Batch ID (FP-2), Fuel Batch Calibration Number (FP-3), and Manufacturer Code (FP-1).	Not Under Development	Active
VERIFY-3010	Fuel Properties	LD-CTD-FP-BR023	If Process Code (FP-0.5) is equal to 'C' (Correction) then there cannot be an active Test Information Dataset with the same Fuel Batch ID (FP-2), Fuel Batch Calibration Number (FP-3), and Manufacturer Code (FP-1).	Not Under Development	Active
VERIFY-3077	Shift Schedule	LD-CFT-SS-BR001a	If Process Code (SS-0.5) is equal to 'R' (Report) or 'C' (Correction), then a record must already exist in the system with the same Shift Schedule ID (SS-1), Shift Schedule Database Code (SS-2), and Manufacturer Code (SS-4).	Not Under Development	Active
VERIFY-3078	Shift Schedule	LD-CFT-SS-BR001b	If Process Code (SS-0.5) is equal to 'R' (Report) or 'C' (Correction), then a record must already exist in the system with the same Shift Schedule ID (SS-1), Shift Schedule Database Code (SS-2), and Manufacturer Code (SS-4).	Not Under Development	Active
VERIFY-3079	Shift Schedule	LD-CFT-SS-BR002	Manufacturer Code (SS-4) must exist in the system.	Not Under Development	Active
VERIFY-3080	Shift Schedule	LD-CFT-SS-BR003	If Shift Action Code (SS-62) is equal to '99' (Alternative Shift Action), then Shift Point Screen (SS-63) is required.	Not Under Development	Active
			If the Process Code (SS-0.5) is equal to 'R' (Report), then	Under	

VERIFY-3081	Shift Schedule	LD-CFT-SS-BR004	the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (SS-4) of the dataset for which the report was requested.	Development (To Be Updated)	Active
VERIFY-3082	Shift Schedule	LD-CFT-SS-BR005	If the Process Code (SS-0.5) is equal to 'N' (New) or 'C' (Correction) then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (SS-4) of the submitted dataset.	Not Under Development	Active
VERIFY-3083	Shift Schedule	LD-CFT-SS-BR006	If Process Code (SS-0.5) is equal to 'N' (New), then a Shift Schedule record cannot already exist in the system with the same Shift Schedule ID (SS-1), Shift Schedule Database Code (SS-2), and Manufacturer Code (SS-4).	Not Under Development	Active
VERIFY-3084	Shift Schedule	LD-CFT-SS-BR007	The Shift Time (SS-60) entered for a Shift Point (SS-59) must be greater than the Shift Time (SS-60) of the previous Shift Point (SS-59).	Not Under Development	Active
VERIFY-3085	Shift Schedule	LD-CFT-SS-BR008	The Shift Point (SS-59) must be specified for all the entries or none of them.	Not Under Development	Active
VERIFY-5667	Shift Schedule	LD-CFT-SS-BR009	If Process Code = "R" or "D" or "C" , a record must exist in Verify for the primary key of this module.	Not Under Development	Active
VERIFY-3086	Supplemental Information	LD-CFT-SI-BR001a	If Process Code (SI-0.5) is equal to 'R' (Report) or 'C' (Correction) then a record must already exist in the system with the same Vehicle ID (SI-2), Vehicle Configuration (SI-3), and Manufacturer Code (SI-1) and Model Year (SI-3.5).	Not Under Development	Active
VERIFY-3087	Supplemental Information	LD-CFT-SI-BR001b	If Process Code (SI-0.5) is equal to 'R' (Report) or 'C' (Correction) then a record must already exist in the system with the same Vehicle ID (SI-2), Vehicle Configuration (SI-3), and Manufacturer Code (SI-1) and Model Year (SI-3.5).	Not Under Development	Active
VERIFY-3088	Supplemental Information	LD-CFT-SI-BR002	If Driver Selectable Transmission (SI-19) is equal to 'Y' (Yes), then Transmission Mode Tested Description (SI-20) is required.	Not Under Development	Active
VERIFY-3089	Supplemental Information	LD-CFT-SI-BR003	If Canister Loading (SI-38) is equal to 'Y' (Yes), then Number of Canisters (SI-39) is required and Canister Working Capacity (SI-40) and Total Canister Volume (SI-41) are required for each canister.	Not Under Development	Active
VERIFY-3090	Supplemental Information	LD-CFT-SI-BR004a	The Test Procedure Codes Selected for EPA Confirmatory Testing (SI-41.5) must include all codes that have been selected for EPA testing in the Decision Information submission for that Manufacturer Code (SI-1), Vehicle ID (SI-2), Vehicle Configuration (SI-3), and Model Year (SI-3.5).	Not Under Development	Active
VERIFY-3091	Supplemental Information	LD-CFT-SI-BR004b	The Test Procedure Codes Selected for EPA Confirmatory Testing (SI-41.5) must include all codes that have been selected for EPA testing in the Decision Information submission for that Manufacturer Code (SI-1), Vehicle ID (SI-2), Vehicle Configuration (SI-3), and Model Year (SI-3.5).	Not Under Development	Active
VERIFY-3092	Supplemental Information	LD-CFT-SI-BR005	Either a shift schedule with the Manufacturer Code (SI-1), Shift Schedule ID (SI-46) and Shift Schedule Database Code (SI-47) must exist in the system, or a shift schedule with the LOD Manufacturer Code, Shift Schedule ID (SI-46) and Shift Schedule Database Code (SI-47) must exist in the system.	Under Development (To Be Updated)	Active
VERIFY-3093	Supplemental Information	LD-CFT-SI-BR006	If Engine Type (SI-10) is equal to 'Other' (99), then Test Vehicle Information Comments (SI-55) are required.	Under Development (To Be Updated)	Active
VERIFY-3094	Supplemental Information	LD-CFT-SI-BR007	Both a Multiplicative DF (SI-64) and Additive DF (SI-63) must not be submitted at the same time.	Under Development (To Be Deleted)	Active
VERIFY-3095	Supplemental Information	LD-CFT-SI-BR008	If Fuel (SI-56.5) is equal to 'D' (Diesel), then Upward Diesel Adjustment Factor (SI-93) is required.	Not Under Development	Active
VERIFY-3096	Supplemental Information	LD-CFT-SI-BR009	If Fuel (SI-56.5) is equal to 'D' (Diesel), then Downward Diesel Adjustment Factor (SI-94) is required.	Not Under Development	Active

VERIFY-3097	Supplemental Information	LD-CFT-SI-BR010	If the Process Code (SI-0.5) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (SI-1) of the dataset for which the report was requested.	Under Development (To Be Updated)	Active
VERIFY-3098	Supplemental Information	LD-CFT-SI-BR011	If the Process Code (SI-0.5) is equal to 'N' (New) or 'C' (Correction) then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (SI-1) of the submitted dataset.	Not Under Development	Active
VERIFY-3099	Supplemental Information	LD-CFT-SI-BR012	If Process Code (SI-0.5) is equal to 'N' (New) then a Decision Information record must already exist in the system with the same Vehicle ID (SI-2), Vehicle Configuration (SI-3), Manufacturer Code (SI-1) and Model Year (SI-3.5).	Not Under Development	Active
VERIFY-3100	Supplemental Information	LD-CFT-SI-BR013	If Process Code (SI-0.5) is equal to 'N' (New), then a Supplemental Information record cannot already exist in the system with the same Vehicle ID (SI-2), Vehicle Configuration (SI-3), Manufacturer Code (SI-1) and Model Year (SI-3.5).	Not Under Development	Active
VERIFY-3101	Supplemental Information	LD-CFT-SI-BR014	Exhaust Certification/In-Use Code (SI-90) must equal 'C' (Certification).	Not Under Development	Active
VERIFY-3102	Supplemental Information	LD-CFT-SI-BR015	Evaporative Certification/In-Use Code (SI-97) must equal 'C' (Certification).	Not Under Development	Active
VERIFY-3103	Supplemental Information	LD-CFT-SI-BR016	If the Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) is equal to '23' (Federal Fuel 2-day Evap), '27' (California Fuel 2-day Evap), '62' (Electric Vehicle Urban Range Test), or '63' (Electric Vehicle Highway Range Test), then the Shift schedule ID (SI-46) is optional; otherwise, it is required.	Under Development (To Be Updated)	Active
VERIFY-3104	Supplemental Information	LD-CFT-SI-BR017	If Test Fuel Type Code for EPA Confirmatory Testing (DI-38.5) is not equal to '50' (Hydrogen) or '62' (Electricity), then Nominal Main Fuel Tank Capacity (SI-26) and Fuel Tank Capacity Unit (SI-27) are required.	Not Under Development	Active
VERIFY-3105	Supplemental Information	LD-CFT-SI-BR018	If a Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) is equal to '2', '3', '21', '25', or '90', then at least one Exhaust Standard for the test procedure is required.	Not Under Development	Active
VERIFY-3106	Supplemental Information	LD-CFT-SI-BR019	If a Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) is equal to '23' or '27', then at least one Evaporative/Refueling Standard for the test procedure is required.	Not Under Development	Active
VERIFY-3107	Supplemental Information	LD-CFT-SI-BR020	If the Exhaust Standard Test Procedure (SI-92) is an ORVR (24 or 44) or Running Loss (32 or 37) test, then a Test Result/Emission Name (SI-59) of 'HC-TOTAL' is not allowed.	Not Under Development	Active
VERIFY-3108	Supplemental Information	LD-CFT-SI-BR021	If the Evaporative Standard Test Procedure (SI-98) is an ORVR (24 or 44) or Running Loss (32 or 37) test, then a Test Result/Emission Name (SI-71) of 'HC-TOTAL' is not allowed.	Not Under Development	Active
VERIFY-3109	Supplemental Information	LD-CFT-SI-BR022	An Exhaust Standard Test Result/Emission Name (SI-59) of 'HC' is only allowed for ORVR (Test Procedure (SI-92) equal to 24 or 44) or Running Loss (Test Procedure (SI-92) equal to 32 or 37) tests.	Not Under Development	Active
VERIFY-3110	Supplemental Information	LD-CFT-SI-BR023	An Evaporative Test Result/Emission Name (SI-71) of 'HC' is only allowed for ORVR (Test Procedure (SI-98) equal to 24 or 44) or Running Loss (Test Procedure (SI-98) equal to 32 or 37) tests.	Not Under Development	Active
VERIFY-3112	Supplemental Information	LD-CFT-SI-BR025	The EPA Vehicle Class (SI-91) cannot be equal to 'LDVT' (LDV + LDT1) at the Exhaust Emission Standard Level.	Not Under Development	Active
VERIFY-3339	Supplemental Information	LD-CFT-SI-BR026	If Hybrid Indicator (VI-10.6) is equal to 'Y' (Yes), then Nominal Hybrid Battery Voltage (SI-37.5) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3340	Supplemental Information	LD-CFT-SI-BR027	If Hybrid Indicator (VI-10.6) is equal to 'Y' (Yes), then Maximum Hybrid Battery Current (SI-37.6) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System

VERIFY-5673	Supplemental Information	LD-CFT-SI-BR028	"CREE", "Opt-CREE", "Integrated Amp-hours", "System Start State of Charge Watt-hours", "System End State of Charge Watt-hours", and "Actual Distance Driven (miles)" are not valid values for Test Result Emission Name (SI-59).	Under Development (To Be Added)	Not in the System
VERIFY-5674	Supplemental Information	LD-CFT-SI-BR029	"CREE", "Opt-CREE", "Integrated Amp-hours", "System Start State of Charge Watt-hours", "System End State of Charge Watt-hours", and "Actual Distance Driven (miles)" are not valid values for Test Result Emission Name (SI-71).	Under Development (To Be Added)	Not in the System
VERIFY-3647	Supplemental Information	LD-CFT-SI-IB001a	The selected value for Fuel(s) (SI-56.5) under Exhaust Emissions Standards is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3648	Supplemental Information	LD-CFT-SI-IB001b	The selected value for Fuel(s) (SI-80) under Evaporative Emissions Standard is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3649	Supplemental Information	LD-CFT-SI-IB002a	The selected value for Test Procedure (SI-41.5) under Supplemental Test Procedures is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3650	Supplemental Information	LD-CFT-SI-IB002b	The selected value for Test Procedure (SI-92) under Exhaust Emissions Standard is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3651	Supplemental Information	LD-CFT-SI-IB002c	The selected value for Test Procedure (SI-98) under Exhaust Emissions Standard is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3652	Supplemental Information	LD-CFT-SI-IB003a	The selected value for Test Result (SI-59) under Exhaust Emissions Standard is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3653	Supplemental Information	LD-CFT-SI-IB003b	The selected value for Test Result (SI-71) under Exhaust Emissions Standard is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3139	Test Group	LD-CERT-TG-BR001a	If Process Code (TG-0.5) equals 'C' (Correction) then a record must already exist in the system with the same Test Group Name (TG-2) and Model Year (TG-6).	Not Under Development	Active
VERIFY-3140	Test Group	LD-CERT-TG-BR001b	If Process Code (TG-0.5) equals 'R' (Report) then a record must already exist in the system with the same Test Group Name (TG-2) and Model Year (TG-6).	Not Under Development	Active
VERIFY-3141	Test Group	LD-CERT-TG-BR002	If CSI Type (TG-4) equals 'N' (New) then a record must not exist in the system for this Test Group Name (TG-2) and Model Year (TG-6).	Not Under Development	Active
VERIFY-3142	Test Group	LD-CERT-TG-BR003	If CSI Type (TG-4) equals 'R' (Running Change) then Running Change Reference Number (TG-5) is required.	Not Under Development	Active
VERIFY-3143	Test Group	LD-CERT-TG-BR004	The Model Year (TG-6) must match the model year embedded in the Test Group Name (TG-2).	Not Under Development	Active
VERIFY-3144	Test Group	LD-CERT-TG-BR005	The Manufacturer Code (TG-1) must match the manufacturer code embedded in the Test Group (TG-2).	Not Under Development	Active
VERIFY-3145	Test Group	LD-CERT-TG-BR006	The displacement embedded in the Test Group (TG-2) must be a valid number.	Not Under Development	Active
VERIFY-3146	Test Group	LD-CERT-TG-BR008	If Drive Source (TG-7) is equal to 'C' (Combustion Engine), then Vehicle Fuel Category (TG-8) must equal 'SF' (Single Fuel), 'FF' (Flex Fuel), 'DF' (Duel Fuel), or 'BF' (Bi-Fuel).	Under Development (To Be Deleted)	Active
VERIFY-3147	Test Group	LD-CERT-TG-BR009	If Drive Source (TG-7) is equal to 'E' (Electric Motor), then Vehicle Fuel Category (TG-8) must equal 'EV' (Battery-Electric) or 'FC' (Fuel Cell Electric).	Under Development (To Be Deleted)	Active
			If Drive Source (TG-7) is equal to 'H' (Hybrid), then	Under	

VERIFY-3148	Test Group	LD-CERT-TG-BR010	Vehicle Fuel Category (TG-8) must equal 'FH' (Flex-Fuel Hybrid) or 'HV' (Hybrid).	Development (To Be Deleted)	Active
VERIFY-3149	Test Group	LD-CERT-TG-BR011	If Model Year (TG-6) is greater than or equal to 2009 and the fifth character in the Test Group Name (TG-2) is equal to 'K' (Heavy Duty Vehicle) or if Model Year (TG-6) is less than 2009 and the fifth character in the Test Group Name (TG-2) is equal to 'D' (Heavy Duty Vehicle), then Federal Clean Fuel Vehicle (TG-9) must not be equal to 'Y' (Yes).	Not Under Development	Active
VERIFY-3150	Test Group	LD-CERT-TG-BR012	If Federal Clean Fuel Vehicle (TG-9) is equal to 'Y' (Yes) then Federal Clean Fuel Vehicle Standard (TG-10) is required, otherwise it must not be present.	Not Under Development	Active
VERIFY-3151	Test Group	LD-CERT-TG-BR013	If Federal Clean Fuel Vehicle (TG-9) is equal to 'Y' (Yes) then Federal Clean Fuel Vehicle ILEV (TG-11) is required, otherwise it must not be present or must be equal to 'N' (No).	Not Under Development	Active
VERIFY-3152	Test Group	LD-CERT-TG-BR014	If Federal Clean Fuel Vehicle ILEV (TG-11) is equal to 'Y' (Yes), then either Fuel1 (TG-17) must be equal to 'CNG', 'LNG' or 'LPG' or Vehicle Fuel Category (TG-8) must be equal to 'EV' (Battery-Electric) or 'FC' (Fuel Cell-Electric).	Under Development (To Be Deleted)	Active
VERIFY-3153	Test Group	LD-CERT-TG-BR015	If EPA Vehicle Class (TG-16) is equal to 'M6' (MDV6- CA LEV2 MDV GVW 8,501-10,000) or 'M7' (MDV7- CA LEV2 MDV GVW 10,001-14,000) then Certification Region Code (TG-14) must contain 'CA' (California + 177 States).	Not Under Development	Active
VERIFY-3154	Test Group	LD-CERT-TG-BR016	The Vehicle Class (TG-205) cannot be equal to 'LDVT' (LDV + LDT1) at the Test Group Exhaust Emission Standard Level.	Not Under Development	Active
VERIFY-3155	Test Group	LD-CERT-TG-BR017	Fuel 1 (TG-17) cannot be equal to 'NA' (Not Applicable).	Under Development (To Be Deleted)	Active
VERIFY-3156	Test Group	LD-CERT-TG-BR018	If Vehicle Fuel Category (TG-8) is equal to 'FF' (Flex-Fuel), 'FH' (Flex-Fuel Hybrid), 'DF' (Dual Fuel) or 'BF' (Bi-Fuel) then Fuel 2 (TG-18) is required and must not equal 'NA' (Not Applicable).	Under Development (To Be Deleted)	Active
VERIFY-3157	Test Group	LD-CERT-TG-BR019	If OBD Compliance Type (TG-19) is equal to 'F' (Federal) then Certification Region Code (TG-14) cannot be equal to 'CA' (California + 177 States).	Not Under Development	Active
VERIFY-3158	Test Group	LD-CERT-TG-BR020	Number of Test Group OBD Deficiencies (TG-22) can be equal to 0 only if Test Group OBD Compliance Level (TG-21) is equal to 'F' (Full- No Deficiencies).	Not Under Development	Active
VERIFY-3160	Test Group	LD-CERT-TG-BR022	If Drive Source (TG-7) is equal to 'H' (Hybrid) then Hybrid Type (TG-26) is required, otherwise it is not allowed.	Under Development (To Be Deleted)	Active
VERIFY-3161	Test Group	LD-CERT-TG-BR023	If Hybrid Type (TG-26) is equal to 'OT' (Other) then Hybrid Type Other Description (TG-27) must be present, otherwise it is optional.	Under Development (To Be Updated)	Active
VERIFY-3162	Test Group	LD-CERT-TG-BR024	If Engine Type (TG-28) is equal to 'GT' (Gas Turbine), 'RK' (Rankine), 'STIR' (Stirling) or 'OT' (Other) then Engine Type Description (TG-29) is required, otherwise it is optional.	Not Under Development	Active
VERIFY-3163	Test Group	LD-CERT-TG-BR025a	If Drive Source (TG-7) is equal to 'C' (Combustion Engine) then Engine Block Arrangement (TG-30), Number of Cylinders/Rotors (TG-32), Basic fuel metering system 1 (TG-33), Number of after Treatment Devices (TG-53), After Treatment Device Type (TG-56), ATD Precious Metal Type (TG-57), Substrate Material (TG-59), Substrate Construction (TG-60), Number Air Fuel Sensors (TG-61), and Number Knock Sensors (TG-65) are required.	Under Development (To Be Deleted)	Active
			If Drive Source (TG-7) is equal to 'H' (Hybrid) and Hybrid Type (TG-26) is equal to 'EM' (IC Engine/Electric Motor) or 'EH' (IC Engine/Hydraulic) then Engine Block Arrangement (TG-30), Number of Cylinders/Rotors	Under	

VERIFY-3164	Test Group	LD-CERT-TG-BR025b	(TG-32), Basic fuel metering system 1 (TG-33), Number of after Treatment Devices (TG-53), After Treatment Device Type (TG-56), ATD Precious Metal Type (TG-57), Substrate Material (TG-59), Substrate Construction (TG-60), Number Air Fuel Sensors (TG-61), and Number Knock Sensors (TG-65) are required.	Development (To Be Deleted)	Active
VERIFY-3165	Test Group	LD-CERT-TG-BR026	If Engine Type (TG-28) is equal to '4SI' (4-Stroke Spark Ignition), '2SI' (2-Stroke Spark Ignition), '4SCI' (4-Stroke Compression Ignition), '2SCI' (2-Stroke Compression Ignition) or 'RT' (Rotary) then Engine Block Arrangement (TG-30) and Number of Cylinders/Rotors (TG-32) are required.	Under Development (To Be Deleted)	Active
VERIFY-3166	Test Group	LD-CERT-TG-BR027	If Engine Block Arrangement (TG-30) is equal to 'OT' (Other) then Engine Block Arrangement Description if Other (TG-31) is required.	Not Under Development	Active
VERIFY-3167	Test Group	LD-CERT-TG-BR028	If Vehicle Fuel Category (TG-8) is equal to 'DF' (Dual Fuel) or 'BF' (Bi-Fuel) then Basic fuel metering system 2 (TG-35) is required.	Under Development (To Be Deleted)	Active
VERIFY-3168	Test Group	LD-CERT-TG-BR029	If Vehicle Fuel Category (TG-8) is equal to 'FF' (Flex-Fuel) or 'FH' (Flex-Fuel Hybrid) then Basic Fuel Metering System 2 (TG-35) is not allowed.	Under Development (To Be Deleted)	Active
VERIFY-3169	Test Group	LD-CERT-TG-BR030	If Engine Type (TG-28) is equal to '4SI' (4-Stroke Spark Ignition), '2SI' (2-Stroke Spark Ignition), '4SCI' (4-Stroke Compression Ignition), '2SCI' (2-Stroke Compression Ignition) or 'RT' (Rotary) then Engine Rated Horsepower (TG-37), Engine Displacement (TG-38), Air Aspiration Method (TG-47) are required, otherwise they are optional.	Not Under Development	Active
VERIFY-3170	Test Group	LD-CERT-TG-BR031	If Engine Type (TG-28) is equal to '4SI' (4-Stroke Spark Ignition), '2SI' (2-Stroke Spark Ignition), '4SCI' (4-Stroke Compression Ignition), or '2SCI' (2-Stroke Compression Ignition) then Cylinder Deactivation (TG-39), Variable Valve Timing (TG-41), Variable Valve Lift (TG-43), Number of Inlet Valves per Cylinder (TG-45), and Number of Exhaust Valves Per Cylinder (TG-46) are required, otherwise they are optional.	Not Under Development	Active
VERIFY-3171	Test Group	LD-CERT-TG-BR032	If Cylinder Deactivation (TG-39) is equal to 'Y' (Yes) then Cylinder Deactivation Description (TG-40) is required.	Not Under Development	Active
VERIFY-3172	Test Group	LD-CERT-TG-BR033	If Variable Valve Timing (TG-41) is equal to 'Y' (Yes) then Variable Valve Timing System Description (TG-42) is required.	Not Under Development	Active
VERIFY-3173	Test Group	LD-CERT-TG-BR034	If Variable Valve Lift (TG-43) is equal to 'Y' (Yes) then Variable Valve Lift System Description (TG-44) is required.	Not Under Development	Active
VERIFY-3174	Test Group	LD-CERT-TG-BR035	If Air Aspiration Device Method (TG-47) is equal to 'OT' (Other) then Air Aspiration Method Description (TG-50) is required.	Not Under Development	Active
VERIFY-3175	Test Group	LD-CERT-TG-BR036a	If Drive Source (TG-7) is equal to 'E' (Electric Motor) then Exhaust Emission Control System Data Elements (Number After Treatment Devices (TG-53), ATD Comments (TG-54), ATD Number (TG-55), ATD Type (TG-56), ATD Precious Metal Type (TG-57), ATD Precious Metal Type Other Description (TG-58), Substrate Material (TG-59), Substrate Construction (TG-60), Substrate Construction Other Description (TG-102), Number Air Fuel Sensors (TG-61), Air Fuel Sensor Type (TG-63), Air Fuel Sensor Type Other (TG-64), Number Knock Sensors (TG-65), Sensor Comments (TG-66), Exhaust Gas Recirculation (TG-67), Cooled Exhaust Gas Recirculation (TG-68), EGR Type (TG-69), EGR Other Description (TG-70), Closed Loop Air Injection System (TG-71), Air Injection Type (TG-72), Air Injection Other Description (TG-73), Direct Ozone Reduction Device (TG-74), DOR Device Other Description (TG-75), and Emission Control Device Comments (TG-76) are not allowed.	Not Under Development	Active
			If Drive Source (TG-7) is equal to 'E' (Electric Motor) then		

VERIFY-3176	Test Group	LD-CERT-TG-BR036b	Exhaust Emission Control System Data Elements (Number After Treatment Devices (TG-53), ATD Comments (TG-54), ATD Number (TG-55), ATD Type (TG-56), ATD Precious Metal Type (TG-57), ATD Precious Metal Type Other Description (TG-58), Substrate Material (TG-59), Substrate Construction (TG-60), Substrate Construction Other Description (TG-102), Number Air Fuel Sensors (TG-61), Air Fuel Sensor Type (TG-63), Air Fuel Sensor Type Other (TG-64), Number Knock Sensors (TG-65), Sensor Comments (TG-66), Exhaust Gas Recirculation (TG-67), Cooled Exhaust Gas Recirculation (TG-68), EGR Type (TG-69), EGR Other Description (TG-70), Closed Loop Air Injection System (TG-71), Air Injection Type (TG-72), Air Injection Other Description (TG-73), Direct Ozone Reduction Device (TG-74), DOR Device Other Description (TG-75), and Emission Control Device Comments (TG-76)) are not allowed.	Not Under Development	Active
VERIFY-3177	Test Group	LD-CERT-TG-BR036c	If Drive Source (TG-7) is equal to 'E' (Electric Motor) then Exhaust Emission Control System Data Elements (Number After Treatment Devices (TG-53), ATD Comments (TG-54), ATD Number (TG-55), ATD Type (TG-56), ATD Precious Metal Type (TG-57), ATD Precious Metal Type Other Description (TG-58), Substrate Material (TG-59), Substrate Construction (TG-60), Substrate Construction Other Description (TG-102), Number Air Fuel Sensors (TG-61), Air Fuel Sensor Type (TG-63), Air Fuel Sensor Type Other (TG-64), Number Knock Sensors (TG-65), Sensor Comments (TG-66), Exhaust Gas Recirculation (TG-67), Cooled Exhaust Gas Recirculation (TG-68), EGR Type (TG-69), EGR Other Description (TG-70), Closed Loop Air Injection System (TG-71), Air Injection Type (TG-72), Air Injection Other Description (TG-73), Direct Ozone Reduction Device (TG-74), DOR Device Other Description (TG-75), and Emission Control Device Comments (TG-76)) are not allowed.	Not Under Development	Active
VERIFY-3178	Test Group	LD-CERT-TG-BR037d	If After Treatment Device Precious Metal Type (TG-57) is equal to 'OT' (Other) then After Treatment Device Precious Metal Type Other Description (TG-58) is required.	Not Under Development	Active
VERIFY-3179	Test Group	LD-CERT-TG-BR038	If Substrate Construction (TG-60) is equal to 'OT' (Other) then Substrate Construction Other Description (TG-102) is required.	Not Under Development	Active
VERIFY-3180	Test Group	LD-CERT-TG-BR039a	If Drive Source (TG-7) is equal to 'C' (Combustion Engine) then Air Fuel Sensor Type (TG-63) is required unless Number Air Fuel Sensors (TG-61) is equal to 0.	Not Under Development	Active
VERIFY-3181	Test Group	LD-CERT-TG-BR039b	If Drive Source (TG-7) is equal to 'H' (Hybrid) and Hybrid Type (TG-26) is equal to 'EM' (IC Engine/Electric Motor) or 'EH' (IC Engine/Hydraulic), then Air Fuel Sensor Type (TG-63) is required unless Number Air Fuel Sensors (TG-61) is equal to 0.	Not Under Development	Active
VERIFY-3182	Test Group	LD-CERT-TG-BR040	If Air Fuel Sensor Type (TG-63) is equal to 'OT' (Other) then Air Fuel Sensor Type Other (TG-64) is required.	Not Under Development	Active
VERIFY-3183	Test Group	LD-CERT-TG-BR041	If Vehicle Fuel Category (TG-8) is equal to 'HV' (Hybrid), 'EV' (Battery-Electric), 'FH' (Flex-Fuel Hybrid), or 'FC' (Fuel Cell-Electric) then Energy Storage Device (TG-77) is required, otherwise it is not allowed.	Under Development (To Be Deleted)	Active
VERIFY-3184	Test Group	LD-CERT-TG-BR042	If Energy Storage Device (TG-77) is equal to 'OT' (Other) then Energy Storage Device Other Description (TG-78) is required.	Not Under Development	Active
VERIFY-3185	Test Group	LD-CERT-TG-BR043	If Energy Storage Device (TG-77) is equal to 'B' (Battery) or 'BC' (Battery + Capacitor) then Battery Type (TG-79), Number of Batteries (TG-81), Total Voltage of Battery Packs (TG-82), Battery Energy Capacity (TG-83), Battery Specific Energy (TG-84), Battery Charger Type (TG-85) are required, otherwise they are not allowed.	Under Development (To Be Deleted)	Active
			If Energy Storage Device (TG-77) is equal to 'B' (Battery) or 'BC' (Battery + Capacitor) and Battery Type (TG-79) is	Under Development	

VERIFY-3186	Test Group	LD-CERT-TG-BR044	equal to 'OT' (Other) then Other Battery Type Description (TG-80) is required, otherwise it is not allowed.	(To Be Deleted)	Active
VERIFY-3187	Test Group	LD-CERT-TG-BR045	If Energy Storage Device (TG-77) is equal to 'C' (Capacitor) or 'BC' (Battery + Capacitor) then Number of Capacitors (TG-86) is required, otherwise it is not allowed.	Under Development (To Be Deleted)	Active
VERIFY-3188	Test Group	LD-CERT-TG-BR046	A Capacitor Rating (TG-87) must be present for each capacitor identified in the Number of Capacitors (TG-86).	Not Under Development	Active
VERIFY-3189	Test Group	LD-CERT-TG-BR047	If Energy Storage Device (TG-77) is equal to 'H' (Hydraulic) then Hydraulic System Description (TG-89) is required.	Under Development (To Be Deleted)	Active
VERIFY-3190	Test Group	LD-CERT-TG-BR048	If Regenerative Braking Type (TG-90) is equal to 'OT' (Other) then Regenerative Braking Type Other Description (TG-91) is required.	Not Under Development	Active
VERIFY-3191	Test Group	LD-CERT-TG-BR049	If Regenerative Braking Type (TG-90) is not equal to 'NA' (Not Applicable) then Regenerative Braking Source (TG-92) and Driver Controlled Regenerative Braking (TG-93) are required, otherwise they are not allowed.	Not Under Development	Active
VERIFY-3192	Test Group	LD-CERT-TG-BR050	If Hybrid Type (TG-26) is equal to 'EM' (IC Engine/Electric Motor) then Number of Drive Motor Generators (TG-94) is required, otherwise it is optional.	Not Under Development	Active
VERIFY-3193	Test Group	LD-CERT-TG-BR051	If Motor Generator Type (TG-95) is equal to 'OT' (Other) then Other Motor Generator Type Other Description (TG-96) is required.	Not Under Development	Active
VERIFY-3194	Test Group	LD-CERT-TG-BR052	A Motor Generator Type (TG-95) and Rated Motor Generator Power (TG-97) are required for each Drive Motor Generator identified in the Number of Drive Motor Generators (TG-94) and not allowed if Number of Drive Motor Generators (TG-94) equals 0. ( Number of Drive Motor Generators Identified:	Not Under Development	Active
VERIFY-3195	Test Group	LD-CERT-TG-BR053	If Vehicle Fuel Category (TG-8) is equal to 'FC' (Fuel Cell Electric) then Fuel Cell Description (TG-98) is required.	Under Development (To Be Deleted)	Active
VERIFY-3196	Test Group	LD-CERT-TG-BR054	If Vehicle Fuel Category (TG-8) is equal to 'FC' (Fuel Cell Electric) and Fuel 1 (TG-17) is equal to 'H' (Hydrogen) then Fuel Cell On board H2 Storage Capacity (TG-99) is required.	Under Development (To Be Deleted)	Active
VERIFY-3197	Test Group	LD-CERT-TG-BR055	If Fuel Cell On board H2 Storage Capacity (TG-99) is present then Usable H2 Fill Capacity (TG-100) is required, otherwise (TG-100) is not allowed.	Not Under Development	Active
VERIFY-3198	Test Group	LD-CERT-TG-BR056	The provided Evaporative Test Number(s) (TG-202) must exist in the system.	Not Under Development	Active
VERIFY-3199	Test Group	LD-CERT-TG-BR057	If SFTP Compliance Indicator (TG-216.8) is equal to 'Y' (Yes) then FTP Test Number (for SFTP Composite Calculation) (TG-217) and US06 Test Number (for SFTP Composite Calculation) (TG-218) are required.	Not Under Development	Active
VERIFY-3200	Test Group	LD-CERT-TG-BR058	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) then the provided FTP Test Number (TG-217) must exist in the system with a Test Category (TI-43) of 'FTP' (Test Procedures (TI-8) = 2, 11, 21, 25, 31, 35, 41, 45).	Under Development (To Be Deleted)	Active
VERIFY-3201	Test Group	LD-CERT-TG-BR059	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) then the provided US06 Test Number (TG-218) must exist in the system with a Test Category (TI-43) of 'US06' (Test Procedures (TI-8) = 90).	Under Development (To Be Deleted)	Active
VERIFY-3202	Test Group	LD-CERT-TG-BR060	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) then the provided SC03 Test Number (TG-218) must exist in the system with a Test Category (TI-43) of 'SC03' (Test Procedures (TI-8) = 95).	Under Development (To Be Deleted)	Active
VERIFY-3203	Test Group	LD-CERT-TG-BR061	If the SFTP Compliance Indicator (TG-216.8) is 'N' (No) then the SFTP CO Option (TG-216.9) must not be 'Y' (Yes).	Under Development (To Be Updated)	Active
			If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes)	Under	

VERIFY-3204	Test Group	LD-CERT-TG-BR062a	then the FTP test number (TG-217) must identify a test that has HC-NM (Non-Methane Hydrocarbon) and NOX (Nitrogen Oxides) emission results (TI-19).	Development (To Be Updated)	Active
VERIFY-3205	Test Group	LD-CERT-TG-BR062b	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) then the US06 test number (TG-218) must identify a test that has HC-NM (Non-Methane Hydrocarbon) and NOX (Nitrogen Oxides) emission results (TI-19).	Under Development (To Be Updated)	Active
VERIFY-3206	Test Group	LD-CERT-TG-BR062c	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) then the SC03 test number (TG-219) must identify a test that has HC-NM (Non-Methane Hydrocarbon) and NOX (Nitrogen Oxides) emission results (TI-19).	Under Development (To Be Updated)	Active
VERIFY-3207	Test Group	LD-CERT-TG-BR063a	If the SFTP Composite CO Option (TG-216.9) is 'Y' (Yes) then the FTP test number (TG-217) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).	Under Development (To Be Updated)	Active
VERIFY-3208	Test Group	LD-CERT-TG-BR063b	If the SFTP Composite CO Option (TG-216.9) is 'Y' (Yes) then the US06 test number (TG-218) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).	Under Development (To Be Updated)	Active
VERIFY-3209	Test Group	LD-CERT-TG-BR063c	If the SFTP Composite CO Option (TG-216.9) is 'Y' (Yes) then the SC03 test number (TG-219) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).	Under Development (To Be Updated)	Active
VERIFY-3210	Test Group	LD-CERT-TG-BR064a	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) then there must be at least one exhaust emission standard with the Test Result/Emission Name (TG-209) of HC-NM+NOX-COMP (Non-Methane Hydrocarbon + NOx SFTP Composite).	Under Development (To Be Updated)	Active
VERIFY-3211	Test Group	LD-CERT-TG-BR064b	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) then for each HC-NM+NOX-COMP (Non-Methane Hydrocarbon + NOx SFTP Composite) emission standard, there must also be a NOX (Nitrogen Oxides) exhaust emission standard with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the HC-NM+NOX-COMP standard, and the same test procedure as the test identified by the FTP test number (TG-217).	Under Development (To Be Updated)	Active
VERIFY-3212	Test Group	LD-CERT-TG-BR064c	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) then for each HC-NM+NOX-COMP (Non-Methane Hydrocarbon + NOx SFTP Composite) emission standard, there must also be either HC-NM (Non-Methane Hydrocarbon) or NMOG (Non-Methane Organic Gases) exhaust emission standards with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the HC-NM+NOX-COMP standard, and the same test procedure as the test identified by the FTP test number (TG-217).	Under Development (To Be Updated)	Active
VERIFY-3213	Test Group	LD-CERT-TG-BR065a	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) and the SFTP CO Option (TG-216.9) is 'Y' (Yes) then there must be at least one exhaust emission standard with the Test Result/Emission Name (TG-209) of CO-COMP (CO SFTP Composite).	Under Development (To Be Updated)	Active
VERIFY-3214	Test Group	LD-CERT-TG-BR065b	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) and the SFTP CO Option (TG-216.9) is 'Y' (Yes) then for each CO-COMP (CO SFTP Composite) emission standard, there must also be a CO (Carbon Monoxide) exhaust emission standard with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the CO-COMP standard, and the same test procedure as the test identified by the FTP test number (TG-217).	Under Development (To Be Updated)	Active
VERIFY-3215	Test Group	LD-CERT-TG-BR066	If a PM-COMP (PM SFTP Composite) emission standard Test Result/Emission Name (TG-209) is provided, there must also be a PM (Particulate Matter) exhaust emission standard with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the PM-COMP standard, and the same test procedure as the test identified by the FTP test number (TG-217).	Under Development (To Be Updated)	Active
			If the Manufacturer Code (TG-300) of the owner of the		

VERIFY-3216	Test Group	LD-CERT-TG-BR067	carline is different than the Submitter's Manufacturer Code (in Submission Author Details), then permission must be granted by the Owner Manufacturer for the Submitting Manufacturer to use the carline.	Not Under Development	Active
VERIFY-3217	Test Group	LD-CERT-TG-BR068	If Transmission Type (TG-307) is equal to 'OT' (Other) then Other Transmission Type Description (TG-308) is required.	Not Under Development	Active
VERIFY-3218	Test Group	LD-CERT-TG-BR069	If the Process Code (TG-0.5) is equal to 'R' (Report) the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (TG-1) of the dataset for which the report was requested.	Not Under Development	Active
VERIFY-3219	Test Group	LD-CERT-TG-BR070	If the Process Code (TG-0.5) is equal to 'N' (New) or 'C' (Correction) then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (TG-1) of the submitted dataset.	Not Under Development	Active
VERIFY-3220	Test Group	LD-CERT-TG-BR071	If Drive Source (TG-7) equals 'C' (Combustion Engine) or if Drive Source (TG-7) equals 'H' (Hybrid) and Hybrid Type (TG-26) equals 'EM' (IC Engine/Electric Motor) or 'EH' (IC Engine/Hydraulic) then Engine Type (TG-28) is required.	Under Development (To Be Deleted)	Active
VERIFY-3221	Test Group	LD-CERT-TG-BR072	If Air Aspiration Method (TG-47) is equal to 'OT' (Other) then Air Aspiration Method Other (TG-50) is required, otherwise it is optional.	Not Under Development	Active
VERIFY-3223	Test Group	LD-CERT-TG-BR073	If Air Aspiration Method (TG-47) is equal to 'TC' (Turbocharged), 'SC' (Supercharged), 'TS' (Turbocharged and Supercharged) or 'OT' (Other), then Number of Air Aspiration Devices (TG-48) is required, otherwise it must be equal to 0, if present.	Not Under Development	Active
VERIFY-3224	Test Group	LD-CERT-TG-BR074	If Air Aspiration Method (TG-47) is equal to 'TC' (Turbocharged), 'SC' (Supercharged), 'TS' (Turbocharged and Supercharged) or 'OT', then Air Aspiration Device Configuration (TG-49) is required, otherwise it is not allowed.	Not Under Development	Active
VERIFY-3225	Test Group	LD-CERT-TG-BR075	If Air Aspiration Device Configuration (TG-49) is equal to 'N' (Single), then Number of Air Aspiration Devices (TG-48) must be 1.	Not Under Development	Active
VERIFY-3226	Test Group	LD-CERT-TG-BR076	If Air Aspiration Device Configuration (TG-49) is not equal to 'N' (Single), then Number of Air Aspiration Devices (TG-48) must be Engine Configuration Number (TG-36).	Not Under Development	Active
VERIFY-3227	Test Group	LD-CERT-TG-BR077	If Fuel (TG-204) is equal to 'D' (Diesel), then Upward Diesel Adjustment Factor (TG-215.5) is required.	Not Under Development	Active
VERIFY-3228	Test Group	LD-CERT-TG-BR078	If Fuel (TG-204) is equal to 'D' (Diesel), then Downward Diesel Adjustment Factor (TG-215.6) is required.	Not Under Development	Active
VERIFY-3229	Test Group	LD-CERT-TG-BR079	The Manufacturer Code embedded in the Test Group Name (TG-2) must match the Submitter's Manufacturer Code (in Submission Author Details).	Not Under Development	Active
VERIFY-3230	Test Group	LD-CERT-TG-BR080a	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) and there is an exhaust emission standard entered with the emission name (TG-209) of PM-COMP (PM SFTP Composite), then the FTP test number (TG-217) must identify a test that has a PM emission result (TI-19).	Under Development (To Be Updated)	Active
VERIFY-3231	Test Group	LD-CERT-TG-BR080b	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) and there is an exhaust emission standard entered with the emission name (TG-209) of PM-COMP (PM SFTP Composite), then the US06 test number (TG-218) must identify a test that has a PM emission result (TI-19).	Under Development (To Be Updated)	Active
VERIFY-3232	Test Group	LD-CERT-TG-BR080c	If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) and there is an exhaust emission standard entered with the emission name (TG-209) of PM-COMP (PM SFTP Composite), then the SC03 test number (TG-219) must identify a test that has a PM emission result (TI-19).	Under Development (To Be Updated)	Active
			There must be at least one Exhaust Standard that meets the following criteria: a Test Result/Emission Name (TG-209) of 'CO' (Carbon Monoxide); a Test Procedure (TG-204.5) with a Test Category (TG-203) of 'FTP' (Test Procedures (TI-8) equal to 2, 11, 21, 25, 31, 35, 41, 45,	Not Under	

VERIFY-3233	Test Group	LD-CERT-TG-BR081a	51, 52); a Cert Region Code (TG-200) of 'FA' (Federal) if there are federal sales for this test group (Cert Region Code (TG-14) of 'FA' (Federal)), or a Cert Region Code (TG-200) of 'CA' if there are only California Sales for this test group.	Development	Active
VERIFY-3234	Test Group	LD-CERT-TG-BR081b	There must be at least one Exhaust Standard that meets the following criteria: a Test Result/Emission Name (TG-209) of 'CO' (Carbon Monoxide); a Test Procedure (TG-204.5) with a Test Category (TG-203) of 'FTP' (Test Procedures (TI-8) equal to 2, 11, 21, 25, 31, 35, 41, 45, 51, 52); a Cert Region Code (TG-200) of 'FA' (Federal) if there are federal sales for this test group (Cert Region Code (TG-14) of 'FA' (Federal)), or a Cert Region Code (TG-200) of 'CA' if there are only California Sales for this test group.	Not Under Development	Active
VERIFY-3235	Test Group	LD-CERT-TG-BR082	There must be at least one Evaporative Standard for each Evaporative Family with a Test Result/Emission Name (TG-225) of 'CO'.	Not Under Development	Active
VERIFY-3236	Test Group	LD-CERT-TG-BR083	If Air Aspiration Method (TG-47) is not equal to 'NA' (Naturally Aspirated) then Charge Air Cooler Type (TG-51) is required.	Not Under Development	Active
VERIFY-3237	Test Group	LD-CERT-TG-BR084	If requesting a CSI Report then a record must already exist in the system with the same Test Group Name (TG-2), Evaporative/Refueling Family Name (TG-3) and Model Year (TG-6).	Not Under Development	Active
VERIFY-3240	Test Group	LD-CERT-TG-BR087	If Engine Type (TG-28) is equal to '4SI' (4-Stroke Spark Ignition), '2SI' (2-Stroke Spark Ignition), '4SCI' (4-Stroke Compression Ignition), '2SCI' (2-Stroke Compression Ignition) or 'RT' (Rotary) then Engine Configuration fields (TG-36), (TG-52) are required.	Not Under Development	Active
VERIFY-3241	Test Group	LD-CERT-TG-BR088	The provided Exhaust Test Number(s) (TG-202.5) must exist in the system.	Not Under Development	Active
VERIFY-3242	Test Group	LD-CERT-TG-BR089	The provided Carline Manufacturer Code (TG-300), Division Code (TG-301), Carline Code (TG-302), and Model Year (TG-6) must specify a carline that exists in the system.	Not Under Development	Active
VERIFY-3243	Test Group	LD-CERT-TG-BR090	The provided Evaporative/Refueling Family (TG-3) and Model Year (TG-6) must exist in the system.	Not Under Development	Active
VERIFY-3244	Test Group	LD-CERT-TG-BR091	If the Manufacturer Code of the owner for the provided Exhaust Test Number (TG-202.5) is different than the Submitter's Manufacturer Code (in Submission Author Details), then permission must be granted by the Owner Manufacturer for the Submitting Manufacturer to use the Exhaust Test Number.	Not Under Development	Active
VERIFY-3245	Test Group	LD-CERT-TG-BR092	If the Manufacturer Code of the owner for the provided Evaporative Test Number (TG-202) is different than the Submitter's Manufacturer Code (in Submission Author Details), then permission must be granted by the Owner Manufacturer for the Submitting Manufacturer to use the Evaporative Test Number.	Not Under Development	Active
VERIFY-3247	Test Group	LD-CERT-TG-BR094	Evaporative Test Procedure Codes (TG-223.5) of '80', '81', '82', or '83' are not allowed.	Under Development (To Be Deleted)	Active
VERIFY-3248	Test Group	LD-CERT-TG-BR095a	If there is an evaporative family (TG-3) specified, there must be at least one evaporative/refueling standard that has an Emission Name (TG-225) of 'HC-TOTAL' and a Cert Region Code (TG-221) of 'FA' (Federal) if there are federal sales for this test group (Cert Region Code (TG-14) of 'FA' (Federal)), or a Cert Region Code (TG-221) of 'CA' if there are only California Sales for this test group.	Not Under Development	Active
VERIFY-3249	Test Group	LD-CERT-TG-BR095b	If there is an evaporative family (TG-3) specified, there must be at least one evaporative/refueling standard that has an Emission Name (TG-225) of 'HC-TOTAL' and a Cert Region Code (TG-221) of 'FA' (Federal) if there are federal sales for this test group (Cert Region Code (TG-14) of 'FA' (Federal)), or a Cert Region Code	Not Under Development	Active

			(TG-221) of 'CA' if there are only California Sales for this test group.		
VERIFY-3251	Test Group	LD-CERT-TG-BR096	If Transmission Type (TG-307) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (TG-311) must equal '1'.	Not Under Development	Active
VERIFY-3252	Test Group	LD-CERT-TG-BR097	If the Exhaust Standard Test Procedure (TG-204.5) is an ORVR (24 or 44) or Running Loss (32 or 37) test, then a Test Result/Emission Name (TG-209) of 'HC-TOTAL' is not allowed.	Not Under Development	Active
VERIFY-3253	Test Group	LD-CERT-TG-BR098	If the Evaporative Standard Test Procedure (TG-223.5) is an ORVR (24 or 44) or Running Loss (32 or 37) test, then a Test Result/Emission Name (TG-225) of 'HC-TOTAL' is not allowed.	Not Under Development	Active
VERIFY-3254	Test Group	LD-CERT-TG-BR099	An Exhaust Standard Test Result/Emission Name (TG-209) of 'HC' is only allowed for ORVR (Test Procedure (TG-204.5) equal to 24 or 44) or Running Loss (Test Procedure (TG-204.5) equal to 32 or 37) tests.	Not Under Development	Active
VERIFY-3255	Test Group	LD-CERT-TG-BR100	An Evaporative Standard Test Result/Emission Name (TG-225) of 'HC' is only allowed for ORVR (Test Procedure (TG-223.5) equal to 24 or 44) or Running Loss (Test Procedure (TG-223.5) equal to 32 or 37) tests.	Not Under Development	Active
VERIFY-3256	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).	Not Under Development	Active
VERIFY-3257	Test Group	LD-CERT-TG-BR102	If the Certification Region Code (TG-200) is 'FA' (Federal) then the Exhaust Emission Standard Level (TG-201) should be a Federal Standard.	Not Under Development	Active
VERIFY-3258	Test Group	LD-CERT-TG-BR103	If the Process Code (TG-0.5) is 'N' then CSI Type (TG-4) cannot equal 'R' (Update for running change) or 'U' (Update for correction)	Not Under Development	Active
VERIFY-3259	Test Group	LD-CERT-TG-BR104	Each Evaporative Family Name (TG-3) entered must be a unique value.	Not Under Development	Active
VERIFY-3354	Test Group	LD-CERT-TG-BR105	If Drive Source (TG-7.1) is 'C' (Combustion Engine) and 'E' (Electric Motor), then Hybrid Indicator (TG-7.2) should be 'Y' (Yes). Otherwise, Hybrid Indicator (TG-7.2) should be 'N' (No).	Under Development (To Be Added)	Not in the System
VERIFY-3355	Test Group	LD-CERT-TG-BR106	If Drive Source (TG-7.1) equals "C" (Combustion Engine), then Fuel(s) (TG-7.3) can not equal "EL" (Electricity).	Under Development (To Be Added)	Not in the System
VERIFY-3356	Test Group	LD-CERT-TG-BR107	If Drive Source (TG-7.1) equals "E" (Electric Motor), Fuel(s) (TG-7.3) must equal "EL" (Electricity), "H" (Hydrogen), or "M" (Methanol).	Under Development (To Be Added)	Not in the System
VERIFY-3357	Test Group	LD-CERT-TG-BR108	if Drive Source (TG-7.1) equals "C" (Combustion Engine), then Basic Fuel Metering System (TG-7.4) is required. Otherwise it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3358	Test Group	LD-CERT-TG-BR109	If Basic Fuel Metering System (TG-7.4) equals "CMIX" (CNG Mixer Unit), "LMIX" (LPG Mixer), "CRDI" (Common Rail Direct Diesel Injection), "GFI" (Gaseous Fuel Injection), "DDI" (Direct Diesel Injection) or "IDI" (Indirect Diesel Injection), then Lean Burn Strategy Indicator (TG-7.4.1) is not allowed. Otherwise it is required.	Under Development (To Be Added)	Not in the System
VERIFY-3359	Test Group	LD-CERT-TG-BR110	If more than one Fuel(s) (TG-7.3) is selected for the Test Group when Drive Source (TG-7.1) is 'C' (Combustion Engine), and if model year is greater than or equal to 2012, then CREE Weighting Factor for Dual/Multiple Fuel Vehicles (TG-7.5) is required for each fuel. Otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3361	Test Group	LD-CERT-TG-BR112	All values for CREE Weighting Factor for Dual/Multiple Fuel Vehicles (TG-7.5) must sum to 1.	Under Development (To Be Added)	Not in the System

VERIFY-3362	Test Group	LD-CERT-TG-BR113	If more than one fuel is selected for Fuel(s) (TG-7.3) and if Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Multiple Fuel Storage (TG-7.6) is required. Otherwise, not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3363	Test Group	LD-CERT-TG-BR114	If Drive Source (TG-7.1) equals 'C' (Combustion Engine) and if more than one Fuel(s) (TG-7.3) selected is combustible (i.e., "Gasoline" (G), "Diesel" (D), "Methanol" (M), "Ethanol" (E), "Compressed Natural Gas" (CNG), "Liquified Natural Gas" (LNG), or "Liquified Petroleum Gas" (LPG)), and optional for "Hydrogen" (H), then Multiple Fuel Combustion - Separate or Together (TG-7.7) is required. Otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3364	Test Group	LD-CERT-TG-BR115	If Drive Source (TG-7.1) equals 'E' (Electric Motor), then Fuel Cell Indicator (TG-7.8) is required. Otherwise, it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3365	Test Group	LD-CERT-TG-BR116	If Drive Source (TG-7.1) equals 'E' (Electric Motor), then Rechargeable Energy Storage System Indicator (TG-7.9) is required. Otherwise, it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3366	Test Group	LD-CERT-TG-BR117	If Drive Source (TG-7.1) equals 'E' (Electric Motor), then Off-board Charge Capable Indicator (TG-8.3) is required. Otherwise, it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3367	Test Group	LD-CERT-TG-BR118	If Drive Source (TG-7.1) equals 'E' (Electric Motor) or if Hybrid Indicator (TG-7.2) equals 'Y' (Yes) or if Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes), then Rechargeable Energy Storage System (TG-7.9) is required. Otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3368	Test Group	LD-CERT-TG-BR119	If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Data set TG-26 to TG-52 (except (TG-37) ) is required; otherwise it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3369	Test Group	LD-CERT-TG-BR120	If Hybrid Indicator (TG-7.2) equals 'Y' (Yes), then Hybrid Type (TG-26) is required. Otherwise, not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3371	Test Group	LD-CERT-TG-BR122	If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then (TG-28) Engine type is required. Otherwise, it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3372	Test Group	LD-CERT-TG-BR123	If Engine Type (TG-28) equals "GT" (Gas Turbine), "RK" (Rankine), "STIR" (Stirling) or "OT" (Other), then Engine Type Description (TG-29) is required. Otherwise, it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3373	Test Group	LD-CERT-TG-BR124	If Drive Source (TG-7.1) equals 'C' (Combustion Engine) or if Hybrid Indicator (TG-7.2) equals 'Y' (Yes) and Hybrid Type (TG-26) equals any of ('EM' (IC Engine/Electric Motor) or 'EH' (IC Engine/Hydraulic)), then Engine Block Arrangement (TG-30) is required. Otherwise, it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3374	Test Group	LD-CERT-TG-BR125	If Engine Type (TG-28) equals "4SI" (4-stroke Spark Ignition), "2SI" (2-stroke Spark Ignition), "4SCI" (4-stroke Compression Ignition), "2SCI" (2-stroke Compression Ignition), and "RT" (Rotary), then Engine Block Arrangement (TG-30) is required. Otherwise, it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3375	Test Group	LD-CERT-TG-BR126	If Drive Source (TG-7.1) equals 'C' (Combustion Engine) or if Hybrid Indicator (TG-7.2) equals 'Y' (Yes) and Hybrid Type (TG-26) equals any of ('EM' (IC Engine/Electric Motor) or 'EH' (IC Engine/Hydraulic)), then Number of Cylinders/Rotors (TG-32) is required. Otherwise, it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3376	Test Group	LD-CERT-TG-BR127	If Engine Type (TG-28) equals "4SI" (4-stroke Spark Ignition), "2SI" (2-stroke Spark Ignition), "4SCI" (4-stroke Compression Ignition), "2SCI" (2-stroke Compression Ignition), and "RT" (Rotary), Number of Cylinders/Rotors (TG-32) is required. Otherwise, it is optional.	Under Development (To Be Added)	Not in the System

VERIFY-3377	Test Group	LD-CERT-TG-BR128	If Drive Source (TG-7.1) equals 'C' (Combustion Engine) or if Hybrid Indicator (TG-7.2) equals 'Y' (Yes) and Hybrid Type (TG-26) equals any of ('EM' (IC Engine/Electric Motor) or 'EH' (IC Engine/Hydraulic)), then Total Number Of After Treatment Devices (ATDs) (TG-53) is required. Otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3378	Test Group	LD-CERT-TG-BR129	If Drive Source (TG-7.1) equals 'E' (Electric Motor) or if Hybrid Indicator (TG-7.2) equals 'Y' (Yes) or if Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes), then Rechargeable Energy Storage System (TG-77) is required. Otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3379	Test Group	LD-CERT-TG-BR130	If Rechargeable Energy Storage System (TG-77) equals "Other", Rechargeable Energy Storage Device if Other (TG-78) is required. Otherwise optional.	Under Development (To Be Added)	Not in the System
VERIFY-3380	Test Group	LD-CERT-TG-BR131	If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), Battery Type (TG-79) is required. Otherwise not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3381	Test Group	LD-CERT-TG-BR132	If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)) and Battery Type (TG-79) equals "Other", then Battery Type, if "Other" (TG-80) is required. Otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3382	Test Group	LD-CERT-TG-BR133	If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Number of Battery Packs (not cells) (TG-81) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3383	Test Group	LD-CERT-TG-BR134	If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Total Voltage of Battery Pack(s) (TG-82) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3384	Test Group	LD-CERT-TG-BR135	If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Battery Energy Capacity (TG-83) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3385	Test Group	LD-CERT-TG-BR136	If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Battery Specific Energy (TG-84) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3386	Test Group	LD-CERT-TG-BR137	If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Battery Charger Type (TG-85) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3387	Test Group	LD-CERT-TG-BR138	If Rechargeable Energy Storage System (TG-77) equals 'C' (Capacitor), then Number of Capacitors (TG-86) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3388	Test Group	LD-CERT-TG-BR139	If Rechargeable Energy Storage System (TG-77) equals 'C' (Capacitor), then Capacitor Rating In Farads (TG-87) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3389	Test Group	LD-CERT-TG-BR140	If Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes), then Fuel Cell Description (TG-98) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3390	Test Group	LD-CERT-TG-BR141	Fuel Cell On-Board H2 Storage Capacity (TG-99) is required if Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes) and Fuel(s) (TG-7.3) equals 'H' (Hydrogen), otherwise it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3392	Test Group	LD-CERT-TG-BR143	Official FTP Test Number (TG-217): All provided test numbers must exist in Verify.	Under Development (To Be Added)	Not in the System
VERIFY-3393	Test Group	LD-CERT-TG-BR144	Official FTP Test Number (TG-217): The Test 5-Cycle Category (TI-45) of the test entered in Official FTP Test	Under Development (To Be Added)	Not in the System

			Number (TG-217) must equal "FTP75".	Added)	
VERIFY-3394	Test Group	LD-CERT-TG-BR145	Official FTP Test Number (TG-217): If Hybrid Indicator (TG-7.2) = 'Yes', then Official FTP Test Number (TG-217) cannot be a 3-bag emission test (Associated Test Result/Emission Name (TI-19) of "FE Bag 3" present and "FE Bag 4" not present).	Under Development (To Be Added)	Not in the System
VERIFY-3395	Test Group	LD-CERT-TG-BR146	Official SC03 Test Number (TG-219) : All provided test numbers must exist in Verify.	Under Development (To Be Added)	Not in the System
VERIFY-3396	Test Group	LD-CERT-TG-BR147	Official SC03 Test Number (TG-219) : The Test 5-Cycle Category (TI-45) of the test entered in Official SC03 Test Number (TG-219) must equal "SC03"	Under Development (To Be Added)	Not in the System
VERIFY-3397	Test Group	LD-CERT-TG-BR148	Official Cold CO Test Number (TG-219.1) : All provided test numbers must exist in Verify.	Under Development (To Be Added)	Not in the System
VERIFY-3398	Test Group	LD-CERT-TG-BR149	Official Cold CO Test Number (TG-219.1) : The Test 5-Cycle Category (TI-45) of the test entered in Official Cold CO Test Number (TG-219.1) must equal "FTP20"	Under Development (To Be Added)	Not in the System
VERIFY-3399	Test Group	LD-CERT-TG-BR150	Official Highway Test Number (TG-219.2) : All provided test numbers must exist in Verify.	Under Development (To Be Added)	Not in the System
VERIFY-3400	Test Group	LD-CERT-TG-BR151	Official Highway Test Number (TG-219.2) : The Test 5-Cycle Category (TI-45) of the test entered in Official Highway Test Number (TG-219.2) must equal "HWY"	Under Development (To Be Added)	Not in the System
VERIFY-3401	Test Group	LD-CERT-TG-BR152	EPA City Litmus Value (TG-219.3.1) : If Official FTP Test Number (TG-217) has Test Result/Emission Name (TI-19) equal to "FE BAG 1", "FE BAG 2", and "FE BAG 3" and Official Highway Test Number (TG-219.2) has Test Result/Emission Name (TI-19) equal to "MFR FE" and Official US06 Test Number (TG-218) has Test Result/Emission Name (TI-19) equal to "FE BAG 1", and "FE BAG 2" and Official Cold CO Test Number (TG-219.1) has Test Result/Emission Name (TI-19) equal to "FE BAG 1", "FE BAG 2", and "FE BAG 3" and Official SC03 Test Number (TG-219) has Test Result/Emission Name (TI-19) equal to "MFR FE" then EPA City Litmus Threshold (TG-219.3.2) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3402	Test Group	LD-CERT-TG-BR153	EPA City Litmus Threshold (TG-219.3.2) : If Official FTP Test Number (TG-217) has associated Test Result/Emission Name (TI-19) equal to "MFR FE", then EPA City Litmus Threshold (TG-219.3.2) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3403	Test Group	LD-CERT-TG-BR154	EPA Highway Litmus Value (TG-219.4.1) : If Official FTP Test Number (TG-217) has Test Result/Emission Name (TI-19) equal to "FE BAG 1", "FE BAG 2", and "FE BAG 3" and Official Highway Test Number (TG-219.2) has Test Result/Emission Name (TI-19) equal to "MFR FE" and Official US06 Test Number (TG-218) has Test Result/Emission Name (TI-19) equal to "FE BAG 1", and "FE BAG 2" and Official Cold CO Test Number (TG-219.1) has Test Result/Emission Name (TI-19) equal to "FE BAG 1", "FE BAG 2", and "FE BAG 3" and Official SC03 Test Number (TG-219) has Test Result/Emission Name (TI-19) equal to "MFR FE" then EPA City Litmus Threshold (TG-219.3.2) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3404	Test Group	LD-CERT-TG-BR155	EPA Highway Litmus Threshold (TG-219.4.2) : If Official Highway Test Number (TG-219.2) has associated Test Result/Emission Name (TI-19) equal to "MFR FE", then EPA Highway Litmus Threshold (TG-219.4.2) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System

VERIFY-4104	Test Group	LD-CERT-TG-BR156	Official US06 Test Number (TG-218): All provided test numbers must exist in Verify.	Under Development (To Be Added)	Not in the System
VERIFY-4105	Test Group	LD-CERT-TG-BR157	Official US06 Test Number (TG-218): The Test 5-Cycle Category (TI-45) of the test entered in Official US06 Test Number (TG-218) must equal "US06".	Under Development (To Be Added)	Not in the System
VERIFY-5649	Test Group	LD-CERT-TG-BR158	Each Fuel(s) (TG-7.3) selected for Drive Source, must also be selected exactly once for Fuel(s) (TG-217.1) for Greenhouse Gas Official Test Numbers. (Fuel <value> was selected for Drive Source but not for Greenhouse Gas Official Test Numbers.)	Under Development (To Be Added)	Not in the System
VERIFY-5668	Test Group	LD-CERT-TG-BR159	Any given Fuel(s) (TG-217.1) for Greenhouse Gas Official Test Numbers may only be selected once per Test Group (TG-2).	Under Development (To Be Added)	Not in the System
VERIFY-5650	Test Group	LD-CERT-TG-BR160	Each Fuel(s) (TG-217.1) selected for Greenhouse Gas Official Test Numbers, must also be selected at least once for Fuel(s) (TG-7.3) for Drive Source. (Fuel <value> was selected for Greenhouse Gas Official Test Numbers but not for Drive Source.)	Under Development (To Be Added)	Not in the System
VERIFY-5675	Test Group	LD-CERT-TG-BR161	CREE and Opt-CREE are not valid values here. Need to add a business rule that doesn't allow CREE or Opt-CREE to be selected here as a standard or DF.	Under Development (To Be Added)	Not in the System
VERIFY-3405	Test Group	LD-CERT-TG-IB001	The selected value for Drive Source (TG-7.1) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3406	Test Group	LD-CERT-TG-IB002a	The selected value for Fuel(s) (TG-7.3) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3683	Test Group	LD-CERT-TG-IB002b	The selected value for Fuel(s) (TG-217.1) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3684	Test Group	LD-CERT-TG-IB002c	The selected value for Fuel(s) (TG-204) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3685	Test Group	LD-CERT-TG-IB002d	The selected value for Fuel(s) (TG-223) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3407	Test Group	LD-CERT-TG-IB003	The selected value for Basic fuel metering system (TG-7.4) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3408	Test Group	LD-CERT-TG-IB004	The selected value for GHG Exempt Status (TG-216.7) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3686	Test Group	LD-CERT-TG-IB005	The maximum allowable value for CREE Weighting Factor For Dual/Multiple Fuel Vehicles (TG-7.5) is 1.0.	Under Development (To Be Added)	Not in the System
VERIFY-3687	Test Group	LD-CERT-TG-IB006	The maximum allowable value for Durability Group Equivalency Factor (TG-13) is 5.0.	Under Development (To Be Added)	Not in the System
VERIFY-5647	Test Group	LD-CERT-TG-IBR007	Each Fuel(s) (TG-7.3) may only be selected once per Drive Source (TG-7.1).	Under Development (To Be Added)	Not in the System

VERIFY-5651	Test Group	LD-CERT-TG-IBR010	The selected value for Test Result (TG-209) for Exhaust Emissions Standards is not a valid value. (Test Result: <value>)	Under Development (To Be Added)	Not in the System
VERIFY-5652	Test Group	LD-CERT-TG-IBR011	The selected value for Test Result (TG-225) for Evaporative Emissions Standards is not a valid value. (Test Result: <value>)	Under Development (To Be Added)	Not in the System
VERIFY-5653	Test Group	LD-CERT-TG-IBR012	The selected value for Test Procedure (TG-204.5) for Exhaust Emissions Standards is not a valid value. (Test Procedure: <value>)	Under Development (To Be Added)	Not in the System
VERIFY-5654	Test Group	LD-CERT-TG-IBR013	The selected value for Test Procedure (TG-223.5) for Evaporative Emissions Standards is not a valid value. (Test Procedure: <value>)	Under Development (To Be Added)	Not in the System
VERIFY-3011	Test Information	LD-CTD-TI-BR001	Manufacturer Code (TI-3) must exist in the system.	Not Under Development	Active
VERIFY-3012	Test Information	LD-CTD-TI-BR002a	If Process Code (TI-0.5) is equal to 'C' (Correction) and the Original Model Year (VI-7) of the associated vehicle is greater than or equal to 2011, then Test Number (TI-1) is required and a corresponding record must already exist in the system.	Not Under Development	Active
VERIFY-3013	Test Information	LD-CTD-TI-BR002b	If Process Code (TI-0.5) is equal to 'C' (Correction) and the Original Model Year (VI-7) of the associated vehicle is greater than or equal to 2011, then Test Number (TI-1) is required and a corresponding record must already exist in the system.	Not Under Development	Active
VERIFY-3014	Test Information	LD-CTD-TI-BR003	If Process Code (TI-9) is equal to 'N' (New) or 'C' (Correction) then the Manufacturer Code (TI-3), Vehicle ID (TI-4), and Vehicle Configuration (TI-5) must match to an active vehicle currently in the system.	Not Under Development	Active
VERIFY-3015	Test Information	LD-CTD-TI-BR004	If the submitter's Manufacturer Code (TI-3) is not equal to 'LOD' then LOD Test Number (TI-2) is not allowed.	Not Under Development	Active
VERIFY-3016	Test Information	LD-CTD-TI-BR005	Test Date (TI-6) must be earlier than or equal to the Submit Date (as determined by the system).	Not Under Development	Active
VERIFY-3017	Test Information	LD-CTD-TI-BR006	If the submitter's Manufacturer Code (TI-3) is equal to 'LOD' then Manufacturer Test Lab Site Code (TI-7) is not allowed, otherwise it is required.	Not Under Development	Active
VERIFY-3018	Test Information	LD-CTD-TI-BR007	Test lab site code (TI-7) must exist in the Manufacturer's Profile.	Under Development (To Be Deleted)	Active
VERIFY-3019	Test Information	LD-CTD-TI-BR008a	If Test Procedures (TI-8) is an evaporative test (Test Procedure equal to 23, 24, 27, 32, 34, 37, 38, 43, 44, 47) then the Exhaust/Evaporative Test Number Link (TI-13) is required and must reference an FTP Exhaust test number that already exists in Verify, otherwise it is not allowed.	Not Under Development	Active
VERIFY-3020	Test Information	LD-CTD-TI-BR008b	If Test Procedures (TI-8) is an evaporative test (Test Procedure equal to 23, 24, 27, 32, 34, 37, 38, 43, 44, 47) then the Exhaust/Evaporative Test Number Link (TI-13) is required and must reference an FTP Exhaust test number that already exists in Verify, otherwise it is not allowed.	Not Under Development	Active
VERIFY-3021	Test Information	LD-CTD-TI-BR009	Fuel Batch Manufacturer Code (TI-16), Fuel Batch Id (TI-17) and Fuel Calibration Number (TI-18), if present, must reference a Fuel Properties data set that exists in the system.	Not Under Development	Active
VERIFY-3022	Test Information	LD-CTD-TI-BR010	If the Test Fuel Type (TI-9) is one of the 'Diesel' fuel types (9, 19) or 'Hydrogen' (50), or Test Procedure (TI-8) is for an evaporative test (23, 27, 34, 38, 43, 47), 'Electric Vehicle Urban Range Test' (62), or 'Electric Vehicle Highway Range Test' (63) then Fuel Batch Manufacturer Code (TI-16), Fuel Batch Id (TI-17), and Fuel Calibration Number (TI-18) are not allowed.	Under Development (To Be Deleted)	Active
	Test		If the submitter's Manufacturer Code (TI-3) is equal to	Under Development	

VERIFY-3023	Information	LD-CTD-TI-BR011	'LOD' then Retest Indicator (TI-22) is required.	(To Be Deleted)	Active
VERIFY-3024	Test Information	LD-CTD-TI-BR012	If the submitter's Manufacturer Code (TI-3) is equal to 'LOD' and Retest Indicator (TI-22) equals 'Y', then Retest Reason (TI-23) is required.	Under Development (To Be Deleted)	Active
VERIFY-3025	Test Information	LD-CTD-TI-BR013	If Fuel Category (VI-10) equals 'HV' (Hybrid) or 'FC' (Fuel Cell-Electric), or 'FH' (Flex-Fuel Hybrid) then State Of Charge Delta Indicator (TI-24) is required.	Under Development (To Be Deleted)	Active
VERIFY-3026	Test Information	LD-CTD-TI-BR016	The Test Result/Emission Name (TI-19) cannot contain 'CO-comp' (CO SFTP Composite) or 'HC-NM+NOx-comp' (NMHC+NOX SFTP Composite).	Not Under Development	Active
VERIFY-3027	Test Information	LD-CTD-TI-BR017	If the Process Code (TI-0.5) is equal to 'R' (Report) the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (TI-3) of the dataset for which the report was requested.	Not Under Development	Active
VERIFY-3029	Test Information	LD-CTD-TI-BR019	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes) and the Test Category (TI-43) is equal to 'FTP' (Test Procedures (TI-8) = 2,11, 21, 25, 31, 35, 41, 45) then one of the Test Results submitted must have a Test Result/Emission Name (TI-19) equal to 'MFR-FE'.	Under Development (To Be Updated)	Active
VERIFY-3030	Test Information	LD-CTD-TI-BR020	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes) and the Test Category (TI-43) is equal to 'HWY' (Test Procedure) ((TI-8) = 3) then one of the Test Results submitted must have a Test Result/Emission Name (TI-19) equal to 'MFR FE'.	Under Development (To Be Updated)	Active
VERIFY-3031	Test Information	LD-CTD-TI-BR021	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is equal to '9' (1994 Cert Diesel 300 ppm Sulfur) or '19' (2007 Cert Diesel 7-15 ppm Sulfur), and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 21, 25, 31, 35, 41, 45) then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL' (Total Hydrocarbon), 'CO' (Carbon Monoxide), and 'CO2' (Carbon Dioxide).	Under Development (To Be Updated)	Active
VERIFY-3032	Test Information	LD-CTD-TI-BR022a	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is one of the ethanol fuel types (36, 37, 38, 43, 44, 45, 71), and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL' (Total Hydrocarbon), 'CO' (Carbon Monoxide), and 'CO2' (Carbon Dioxide), 'METHANOL', 'HCHO' (Formaldehyde), 'ETHANOL', and "H3C2HO" (Acetaldehyde); and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15).	Under Development (To Be Updated)	Active
VERIFY-3033	Test Information	LD-CTD-TI-BR022b	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is one of the ethanol fuel types (36, 37, 38, 43, 44, 45, 71), and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 21, 25, 31, 35, 41, 45) then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL' (Total Hydrocarbon), 'CO' (Carbon Monoxide), and 'CO2' (Carbon Dioxide), 'METHANOL', 'HCHO' (Formaldehyde), 'ETHANOL', and "H3C2HO" (Acetaldehyde); and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15).	Under Development (To Be Updated)	Active
			If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is one of the ethanol fuel types (36, 37, 38, 43, 44, 45, 71), and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 21, 25, 31, 35, 41, 45) then Test Results		

VERIFY-3034	Test Information	LD-CTD-TI-BR022c	must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL' (Total Hydrocarbon), 'CO' (Carbon Monoxide), and 'CO2' (Carbon Dioxide), 'METHANOL', 'HCHO' (Formaldehyde), 'ETHANOL', and 'H3C2HO' (Acetaldehyde); and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15).	Under Development (To Be Updated)	Active
VERIFY-3035	Test Information	LD-CTD-TI-BR023a	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '42' (LPG) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15).	Under Development (To Be Updated)	Active
VERIFY-3036	Test Information	LD-CTD-TI-BR023b	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '42' (LPG) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15).	Under Development (To Be Updated)	Active
VERIFY-3037	Test Information	LD-CTD-TI-BR023c	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '42' (LPG) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15).	Under Development (To Be Updated)	Active
VERIFY-3038	Test Information	LD-CTD-TI-BR024a	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '1' (Indolene 30), '6' (EPA Unleaded), '7' (Industrial Unleaded 100 Octane), '8' (Number 1 Fuel Oil), '22' (Special Unleaded 91 RON), '24' (Cold CO Regular Cert), '25' (Cold CO Premium Cert), '26' (Cold CO Regular Tier 2), '27' (Cold CO Premium Tier 2), or '61' (Tier 2 Unleaded) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14).	Under Development (To Be Updated)	Active
VERIFY-3039	Test Information	LD-CTD-TI-BR024b	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '1' (Indolene 30), '6' (EPA Unleaded), '7' (Industrial Unleaded 100 Octane), '8' (Number 1 Fuel Oil), '22' (Special Unleaded 91 RON), '24' (Cold CO Regular Cert), '25' (Cold CO Premium Cert), '26' (Cold CO Regular Tier 2), '27' (Cold CO Premium Tier 2), or '61' (Tier 2 Unleaded) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14).	Under Development (To Be Updated)	Active
			If Analytically-Derived FE/CREE Indicator (TI-13.5) is		

VERIFY-3040	Test Information	LD-CTD-TI-BR024c	equal to 'N' (No), Test Fuel Type (TI-9) is '1' (Indolene 30), '6' (EPA Unleaded), '7' (Industrial Unleaded 100 Octane), '8' (Number 1 Fuel Oil), '22' (Special Unleaded 91 RON), '24' (Cold CO Regular Cert), '25' (Cold CO Premium Cert), '26' (Cold CO Regular Tier 2), '27' (Cold CO Premium Tier 2), or '61' (Tier 2 Unleaded) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14).	Under Development (To Be Updated)	Active
VERIFY-3041	Test Information	LD-CTD-TI-BR025a	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '10' (Natural Gas) or '41' (CNG) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-NM', 'METHANE', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Carbon Weight Fraction NMHC (FP-8), Carbon Weight Fraction HC (FP-9), Fuel Blend Carbon Weight Fraction (FP-15), Fuel Density (FP-12) and Weight Fraction CO2 (FP-16).	Under Development (To Be Updated)	Active
VERIFY-3042	Test Information	LD-CTD-TI-BR025b	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '10' (Natural Gas) or '41' (CNG) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-NM', 'METHANE', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Carbon Weight Fraction NMHC (FP-8), Carbon Weight Fraction HC (FP-9), Fuel Blend Carbon Weight Fraction (FP-15), Fuel Density (FP-12) and Weight Fraction CO2 (FP-16).	Under Development (To Be Updated)	Active
VERIFY-3043	Test Information	LD-CTD-TI-BR025c	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '10' (Natural Gas) or '41' (CNG) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-NM', 'METHANE', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Carbon Weight Fraction NMHC (FP-8), Carbon Weight Fraction HC (FP-9), Fuel Blend Carbon Weight Fraction (FP-15), Fuel Density (FP-12) and Weight Fraction CO2 (FP-16).	Under Development (To Be Updated)	Active
VERIFY-3044	Test Information	LD-CTD-TI-BR026a	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '23' (CARB Phase II Gasoline) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14).	Under Development (To Be Updated)	Active
VERIFY-3045	Test Information	LD-CTD-TI-BR026b	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '23' (CARB Phase II Gasoline) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated	Under Development (To Be Updated)	Active

			with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14).		
VERIFY-3046	Test Information	LD-CTD-TI-BR026c	If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is '23' (CARB Phase II Gasoline) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2,3, 21, 25, 31, 35, 41, 45), then Test Results must be submitted with the following Test Result/Emission Names (TI-19): 'HC-TOTAL', 'CO', and 'CO2'; and the following fields must exist in the Fuel Properties submission associated with the Test Information: Fuel Specific Gravity (FP-13) and Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14).	Under Development (To Be Updated)	Active
VERIFY-3047	Test Information	LD-CTD-TI-BR027	If the Process Code (TI-0.5) is 'C' (Correction) then there cannot be any locked and active Certificate Summary Information Reports (CSIs) which reference this test.	Not Under Development	Active
VERIFY-3048	Test Information	LD-CTD-TI-BR028	If Test Fuel Type (TI-9) is equal to '9' (1994 Cert Diesel 300 ppm Sulfur) or '19' (2007 Cert Diesel 7-15 ppm Sulfur) the Diesel Adjustment Factor (TI-18.5) is required, otherwise it is optional.	Not Under Development	Active
VERIFY-3049	Test Information	LD-CTD-TI-BR029	If the Process Code (TI-0.5) is equal to 'N' (New) or 'C' (Correction) then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (TI-3) of the submitted dataset unless the submitter is LOD.	Under Development (To Be Updated)	Active
VERIFY-3050	Test Information	LD-CTD-TI-BR030	If Process Code (TI-0.5) is equal to 'R' (Report) then Test Number (TI-1) is required and a corresponding record must already exist in the system.	Not Under Development	Active
VERIFY-3051	Test Information	LD-CTD-TI-BR031	If Process Code (TI-0.5) is equal to 'N' (New) then Test Number (TI-1) is not allowed.	Not Under Development	Active
VERIFY-3053	Test Information	LD-CTD-TI-BR032b	Test Procedure Codes (TI-8) of '80', '81', '82', or '83' are not allowed.	Under Development (To Be Deleted)	Active
VERIFY-3054	Test Information	LD-CTD-TI-BR033	If the Test Procedure (TI-8) is an ORVR (24 or 44) or Running Loss (32 or 37) test, then a Test Result/Emission Name (TI-19) of 'HC-TOTAL' is not allowed.	Not Under Development	Active
VERIFY-3055	Test Information	LD-CTD-TI-BR034	The Test Result/Emission Name (TI-19) of 'HC' is only allowed for ORVR (Test Procedure (TI-8) equal to 24 or 44) or Running Loss (Test Procedure (TI-8) equal to 32 or 37) tests.	Not Under Development	Active
VERIFY-3056	Test Information	LD-CTD-TI-BR035a	Each Test Result/Emission Name (TI-19) must be a unique value."	Not Under Development	Active
VERIFY-5845	Test Information	LD-CTD-TI-BR035b	Each Test Result/Emission Name (TI-19) must be a unique value."	Under Development (To Be Added)	Not in the System
VERIFY-3057	Test Information	LD-CTD-TI-BR036	If the submitter's Manufacturer Code (TI-3) is equal to 'LOD' and Process Code (TI-0.5) is equal to 'C' (Correction) then Test Number (TI-1) is required and a corresponding record must already exist in the system.	Under Development (To Be Updated)	Active
VERIFY-3058	Test Information	LD-CTD-TI-BR037	If Test Procedure Code (TI-8) is equal to 90 (US06) or 95 (SC03) then the submission must either contain a HC-NM+NOX emission result (TI-19) or a HC-NM emission result (TI-19) and a NOX emission result (TI-19).	Not Under Development	Active
VERIFY-3317	Test Information	LD-CTD-TI-BR038	If Original Test Vehicle Model Year (VI-7) is equal to or greater than '2012' and if any values selected for Test Result/Emission Name (TI-19) are equal to 'MFR FE' or 'FE BAG 1' or 'FE BAG 2' or 'FE BAG 3' or 'FE BAG 4', then Fuel Economy Value Unit (TI-20.5) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3318	Test Information	LD-CTD-TI-BR039	If Test Fuel Type (TI-9) is equal to 'Hydrogen' (Test Fuel Type = '50') and Fuel Cell Indicator (VI-11.4) is equal to 'Y' (Yes), then Fuel Economy Value Unit (TI-20.5) must	Under Development (To Be	Not in the System

			be equal to 'MPK'.	Added)	
VERIFY-3319	Test Information	LD-CTD-TI-BR040	If Test Fuel Type (TI-9) is equal to 'Electricity' (Test Fuel Type = '62'), then Fuel Economy Value Unit (TI-20.5) must be equal to 'KW-HR/100MI'.	Under Development (To Be Added)	Not in the System
VERIFY-3320	Test Information	LD-CTD-TI-BR041	If Original Test Vehicle Model Year (VI-7) is equal to or greater than '2012' and if Retest Indicator (TI-22) is equal to 'Y' (Yes), then Manufacturer Verify Test Number That Was Retested (TI-22.1) is required for Tests submitted by Manufacturers, otherwise it is not allowed. It is optional for tests submitted by LOD.	Under Development (To Be Added)	Not in the System
VERIFY-3321	Test Information	LD-CTD-TI-BR042	Test Date (TI-6) of the test being submitted must be equal to or later than the Test Date (TI-6) of the Manufacturer Verify Test Number That Was Retested (TI-22.1).	Under Development (To Be Added)	Not in the System
VERIFY-3322	Test Information	LD-CTD-TI-BR043	If Original Test Vehicle Model Year (VI-7) is equal to or greater than '2012', then Test Procedure (TI-8) can not be equal to '62' (Electric Vehicle Urban Range Test) or '63' (Electric Vehicle Highway Range Test).	Under Development (To Be Added)	Not in the System
VERIFY-3323	Test Information	LD-CTD-TI-BR044	If Retest Indicator (TI-22) is equal to 'Y' (Yes), then Retest Reason (TI-23) is required, otherwise it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3324	Test Information	LD-CTD-TI-BR045	For tests submitted by manufacturers, Retest Reason (TI-23) can only be equal to '1' (Failed(F)), '2' (Void (V)), or '3' (FE(FE)).	Under Development (To Be Added)	Not in the System
VERIFY-3325	Test Information	LD-CTD-TI-BR046	If Hybrid Indicator (VI-10.6) or Fuel Cell Indicator (VI-11.4) is equal to 'Y' (Yes), then State of Charge Delta Indicator (TI-24) is required, otherwise it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3326	Test Information	LD-CTD-TI-BR047a	If Test Category (TI-43) equals 'Charge Depleting' as determined by the Test Procedure (TI-8), then Test Result/Emission Names (TI-19) with Integrated Amp-hours, System Start State of Charge kiloWatt-hours, System End State of Charge kiloWatt-hours, Actual Distance Driven (miles) and Average System Voltage are required, otherwise they are not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-5846	Test Information	LD-CTD-TI-BR047b	If Test Category (TI-43) equals 'Charge Depleting' as determined by the Test Procedure (TI-8), then Test Result/Emission Names (TI-19) with Integrated Amp-hours, System Start State of Charge kiloWatt-hours, System End State of Charge kiloWatt-hours, Actual Distance Driven (miles) and Average System Voltage are required, otherwise they are not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3328	Test Information	LD-CTD-TI-BR049	IF Test Result/Emission Name (TI-19) equal to 'FE BAG 1' is submitted, then Test Result/Emission Name (TI-19) equal to 'FE BAG 2' must also be submitted.	Under Development (To Be Added)	Not in the System
VERIFY-3329	Test Information	LD-CTD-TI-BR050	IF Test Result/Emission Name (TI-19) equal to "FE BAG 2" is submitted, then Test Result/Emission Name (TI-19) equal to "FE BAG 1" must also be submitted.	Under Development (To Be Added)	Not in the System
VERIFY-3330	Test Information	LD-CTD-TI-BR051	IF Test Result/Emission Name (TI-19) equal to "FE BAG 3" is submitted, then Test Result/Emission Name (TI-19) equal to "FE BAG 1", and "FE BAG 2" must also be submitted.	Under Development (To Be Added)	Not in the System
VERIFY-3331	Test Information	LD-CTD-TI-BR052	IF Test Result/Emission Name (TI-19) equal to 'FE BAG 4' is submitted, then Test Result/Emission Name (TI-19) equal to 'FE BAG 1', 'FE BAG 2', and 'FE BAG 3' must also be submitted.	Under Development (To Be Added)	Not in the System
VERIFY-5637	Test Information	LD-CTD-TI-BR053	If Original Test Vehicle Model Year (VI-7) is equal to or greater than '2012' and if Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to "Yes", then Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6) is required, otherwise it is not allowed.	Under Development (To Be Added)	Not in the System

VERIFY-5638	Test Information	LD-CTD-TI-BR054	The Test Number provided for Analytically-Derived FE/CREE Base Test Number (TI-13.6) must exist in Verify and must belong to the submitter's Manufacturer Code or one of their approved Alternate Manufacturer Codes.	Under Development (To Be Added)	Not in the System
VERIFY-5639	Test Information	LD-CTD-TI-BR055	The Test Number provided for Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6) can not be an analytically-derived test (with Analytically-Derived FE/CREE Indicator (TI-13.5) equal to "Yes").	Under Development (To Be Added)	Not in the System
VERIFY-5640	Test Information	LD-CTD-TI-BR056	If Original Test Vehicle Model Year (VI-7) is equal to or greater than '2012' and Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to "Yes", then Analytically-Derived FE / CREE - Total Road Load Horsepower (TI-13.7) is required, otherwise it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-5641	Test Information	LD-CTD-TI-BR057	If Original Test Vehicle Model Year (VI-7) is equal to or greater than '2012' and Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to "Yes", then Analytically-Derived FE / CREE - ETW (TI-13.8) is required, otherwise it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-5642	Test Information	LD-CTD-TI-BR058	If Original Test Vehicle Model Year (VI-7) is equal to or greater than '2012' and Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to "Yes", then Analytically-Derived FE / CREE - N/V Ratio (TI-13.9) is required, otherwise it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-5643	Test Information	LD-CTD-TI-BR059	If Original Test Vehicle Model Year (VI-7) is equal to or greater than '2012', then Manufacturer Confirmatory Test Indicator (TI-18.8) is required for tests being submitted by manufacturers and is not allowed for tests being submitted by LOD.	Under Development (To Be Added)	Not in the System
VERIFY-5655	Test Information	LD-CTD-TI-BR060	If Manufacturer Confirmatory Test Indicator (TI-18.8) is equal to "Yes", then Original Manufacturer Verify Test Number That Was Confirmed (TI-18.9) is required, otherwise it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-5656	Test Information	LD-CTD-TI-BR061	Test Date (TI-6) of the test being submitted must be equal to or later than the Test Date (TI-6) of the Original Manufacturer Verify Test Number That Was Confirmed (TI-18.9).	Under Development (To Be Added)	Not in the System
VERIFY-5657	Test Information	LD-CTD-TI-BR062	Original Manufacturer Verify Test Number That Was Confirmed (TI-18.9) must exist on a Confirmatory Test Decision Information dataset for the same Vehicle ID (TI-4) and Vehicle Configuration Number (TI-5).	Under Development (To Be Added)	Not in the System
VERIFY-5658	Test Information	LD-CTD-TI-BR063	If Process Code (TI-0.5) is equal to "New Dataset" and if Original Test Vehicle Model Year (VI-7) is equal to or greater than '2012', then Retest Indicator (TI-22) is required for all tests submitted by LOD and Manufacturers.	Under Development (To Be Added)	Not in the System
VERIFY-5659	Test Information	LD-CTD-TI-BR064a	If Test Category (TI-43) equals 'CD' (Charge Depleting) as determined by the Test Procedure (TI-8), then Data Elements from TI-18.1 to TI-18.7 are required, otherwise not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-6226	Test Information	LD-CTD-TI-BR064b	If Test Category (TI-43) equals 'CD' (Charge Depleting) as determined by the Test Procedure (TI-8), then Data Elements from TI-18.1 to TI-18.7 are required, otherwise not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-5660	Test Information	LD-CTD-TI-BR065	Recharge Event Voltage must be between "100" and "500" volts.	Under Development (To Be Added)	Not in the System
VERIFY-3332	Test Information	LD-CTD-TI-IB001	The selected value for Analytically Derived FE/CREE Equivalent Test Weight (ETW) (TI-13.8) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3333	Test Information	LD-CTD-TI-IB002	The selected value for Fuel Economy Value Unit (TI-20.5) is not a valid value.	Under Development (To Be Added)	Not in the System

VERIFY-3334	Test Information	LD-CTD-TI-IB003	The selected value for Test Procedure (TI-8) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3335	Test Information	LD-CTD-TI-IB004	The selected value for Retest Reason (TI-23) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3336	Test Information	LD-CTD-TI-IB008	The selected value for Test Result/Emission Name (TI-19) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-2956	Vehicle Information	LD-CTD-VI-BR001	Manufacturer Code (VI-1) must exist in the system.	Not Under Development	Active
VERIFY-2957	Vehicle Information	LD-CTD-VI-BR002	If Process Code (VI-0.5) is equal to 'C' (Correction) and Original Test Vehicle Model Year (VI-7) is greater than or equal to 2011, then a record must already exist in the system with the same Vehicle ID (VI-2), Vehicle Configuration Number (VI-3), and Manufacturer Code (VI-1).	Under Development (To Be Updated)	Active
VERIFY-2958	Vehicle Information	LD-CTD-VI-BR003	The Original Test Vehicle Model Year (VI-7) must match the model year embedded in the Original Test Group Name (VI-5).	Under Development (To Be Updated)	Active
VERIFY-2959	Vehicle Information	LD-CTD-VI-BR004	The Original Test Vehicle Model Year (VI-7) must match the model year embedded in the Original Evaporative/Refueling Family Name (VI-6).	Under Development (To Be Updated)	Active
VERIFY-2960	Vehicle Information	LD-CTD-VI-BR005	The Manufacturer Code (VI-1) must match the manufacturer code embedded in the Original Test Group Name (VI-5).	Under Development (To Be Updated)	Active
VERIFY-2961	Vehicle Information	LD-CTD-VI-BR006	The Manufacturer Code (VI-1) must match the manufacturer code embedded in the Original Evaporative/Refueling Family Name (VI-6).	Under Development (To Be Updated)	Active
VERIFY-2962	Vehicle Information	LD-CTD-VI-BR007	The displacement embedded in the Original Test Group Name (VI-5) must be a valid number.	Under Development (To Be Updated)	Active
VERIFY-2964	Vehicle Information	LD-CTD-VI-BR009	The canister working capacity embedded in the Original Evaporative/Refueling Family Name (VI-6) must be a valid number.	Under Development (To Be Updated)	Active
VERIFY-2966	Vehicle Information	LD-CTD-VI-BR011	Fuel 1 (VI-11) cannot be equal to 'NA' (Not Applicable).	Under Development (To Be Deleted)	Active
VERIFY-2967	Vehicle Information	LD-CTD-VI-BR012	If Vehicle Fuel Category (VI-10) is equal to 'FF' (Flex-Fuel), 'FH' (Flex-Fuel Hybrid), 'DF' (Duel Fuel) or 'BF' (Bi-Fuel), then Fuel 2 (VI-12) is required, otherwise Fuel 2 (VI-12) must equal to 'NA' (Not Applicable).	Under Development (To Be Deleted)	Active
VERIFY-2968	Vehicle Information	LD-CTD-VI-BR013	If Air Aspiration Method (VI-23) is equal to 'OT' (Other) then Air Aspiration Method If Other (VI-24) is required, otherwise it is optional.	Not Under Development	Active
VERIFY-2969	Vehicle Information	LD-CTD-VI-BR014	If Air Aspiration Method (VI-23) is equal to 'TC' (Turbocharged), 'SC' (Supercharged), 'TS' (Turbocharged and Supercharged) or 'OT' (Other), then Number of Air Aspiration Devices (VI-25) is required, otherwise it must be equal to 0, if present.	Not Under Development	Active
VERIFY-2970	Vehicle Information	LD-CTD-VI-BR015	If Air Aspiration Method (VI-23) is not equal to 'NA' (Naturally Aspirated), then Number of Air Aspiration Devices (VI-25) is required and cannot be equal to 0.	Not Under Development	Active
VERIFY-2971	Vehicle	LD-CTD-VI-BR016	If Air Aspiration Method (VI-23) is equal to 'TC' (Turbocharged), 'SC' (Supercharged), 'TS' (Turbocharged and Supercharged) or 'OT' (Other), then Air Aspiration	Not Under	Active

	Information		Device Configuration (VI-26) is required, otherwise it is not allowed.	Development	
VERIFY-2972	Vehicle Information	LD-CTD-VI-BR017	If Air Aspiration Device Configuration (VI-26) is equal to 'N' (Single), then Number of Air Aspiration Devices (VI-25) must be 1.	Not Under Development	Active
VERIFY-2973	Vehicle Information	LD-CTD-VI-BR018	If Air Aspiration Device Configuration (VI-26) is not equal to 'N' (Single), then Number of Aspiration Devices (VI-25) must be greater than 1, if present.	Not Under Development	Active
VERIFY-2974	Vehicle Information	LD-CTD-VI-BR019	Equivalent Test Weight (VI-30) must be greater than Curb Weight (VI-29).	Not Under Development	Active
VERIFY-2975	Vehicle Information	LD-CTD-VI-BR020	Gross Vehicle Weight Rating (VI-33) must be greater than Curb Weight (VI-29).	Not Under Development	Active
VERIFY-2976	Vehicle Information	LD-CTD-VI-BR021	If Transmission Type (VI-36) is equal to 'OT' (Other), then Transmission Type Other Description (VI-37) is required.	Not Under Development	Active
VERIFY-2977	Vehicle Information	LD-CTD-VI-BR022	If Transmission Type (VI-36) is equal to 'M' (Manual), then Transmission Lockup (VI-38) must be equal to 'N' (No).	Not Under Development	Active
VERIFY-2978	Vehicle Information	LD-CTD-VI-BR023	If Creeper Gear (VI-39) is equal to 'Y' (Yes), then Transmission Type (VI-36) must be equal to 'M' (Manual).	Not Under Development	Active
VERIFY-2979	Vehicle Information	LD-CTD-VI-BR024	If Transmission Type (VI-36) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (VI-40) must be equal to 1.	Not Under Development	Active
VERIFY-2980	Vehicle Information	LD-CTD-VI-BR025	If Air Aspiration Method (VI-23) is not equal to 'NA' (Naturally Aspirated) then Charge Air Cooler Type (VI-27) is required.	Not Under Development	Active
VERIFY-2981	Vehicle Information	LD-CTD-VI-BR026	If the Process Code (VI-0.5) is equal to 'R' (Report) the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (VI-1) of the dataset for which the report requested.	Not Under Development	Active
VERIFY-2982	Vehicle Information	LD-CTD-VI-BR027	If the Process Code (VI-0.5) is equal to 'N' (New) or 'C' (Correction) then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (VI-1) of the submitted dataset.	Not Under Development	Active
VERIFY-2983	Vehicle Information	LD-CTD-VI-BR028	If the Process Code (VI-0.5) is equal to 'N' (New) then the Vehicle Configuration Number (VI-3) is not allowed.	Not Under Development	Active
VERIFY-2984	Vehicle Information	LD-CTD-VI-BR029	If the Process Code (VI-0.5) is equal to 'C' (Correction) then the Vehicle Configuration Number (VI-3) is required.	Not Under Development	Active
VERIFY-2985	Vehicle Information	LD-CTD-VI-BR030	If the Process Code (VI-0.5) is equal to 'C' (Correction) then this vehicle cannot have any active test for which there are locked and active Certification Summary Information Reports (CSIs).	Under Development (To Be Updated)	Active
VERIFY-2986	Vehicle Information	LD-CTD-VI-BR031	If Process Code (VI-0.5) is equal to 'R' (Report) then a record must already exist in the system with the same Vehicle ID (VI-2), Vehicle Configuration Number (VI-3), and Manufacturer Code (VI-1).	Under Development (To Be Updated)	Active
VERIFY-3302	Vehicle Information	LD-CTD-VI-BR032	If Drive Source (VI-10.5) is equal to 'C' (Combustion Engine), then Fuel (VI-11.1) can not equal 'EL' (Electricity).	Under Development (To Be Added)	Not in the System
VERIFY-3303	Vehicle Information	LD-CTD-VI-BR033	If Drive Source (VI-10.5) is equal to 'E' (Electric Motor) then Fuel (VI-11.1) must equal 'EL' (Electricity), 'H' (Hydrogen), or 'M' (Methanol).	Under Development (To Be Added)	Not in the System
VERIFY-3304	Vehicle Information	LD-CTD-VI-BR034	BE (Battery Electric) and 'NA' (Not Applicable) are not allowable values for Fuel(s) (VI-11.1).	Under Development (To Be Added)	Not in the System
VERIFY-3305	Vehicle Information	LD-CTD-VI-BR035a	If more than one fuel is selected for Fuel(s) (VI-11.1) and if Drive Source (VI-10.5) equals 'C' (Combustion Engine), then Multiple Fuel Storage (VI-11.2) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
	Vehicle		If more than one fuel is selected for Fuel(s) (VI-11.1) and if Drive Source (VI-10.5) equals 'C' (Combustion Engine),	Under Development	Not in the

VERIFY-5844	Information	LD-CTD-VI-BR035b	then Multiple Fuel Storage (VI-11.2) is required; otherwise, it is not allowed.	(To Be Added)	System
VERIFY-3306	Vehicle Information	LD-CTD-VI-BR036	If Drive Source (VI-10.5) is equal to 'C' (Combustion Engine) and if more than one of the combustible fuels is selected for Fuel(s) (VI-11.1) (Combustible Fuels = Gasoline, Diesel, Methanol, Ethanol, CNG, LNG, LPG), then Multiple Fuel Combustion (VI-11.3) is required and is optional if "Hydrogen" is selected for Fuel(s) (VI-11.1).	Under Development (To Be Added)	Not in the System
VERIFY-3307	Vehicle Information	LD-CTD-VI-BR037	If Drive Source (VI-10.5) is equal to 'E' (Electric Motor), then Fuel Cell Indicator (VI-11.4) is required, otherwise it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3308	Vehicle Information	LD-CTD-VI-BR038	If Drive Source (VI-10.5) is equal to 'E' (Electric Motor), then Rechargeable Energy Storage System Indicator (VI-11.5) is required, otherwise it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3309	Vehicle Information	LD-CTD-VI-BR039	If Drive Source (VI-10.5) equals 'E' (Electric Motor) or if Hybrid Indicator (VI-10.6) equals 'Y' (Yes) or if Fuel Cell Indicator (VI-11.4) equals 'Y' (Yes), then Rechargeable Energy Storage System (VI-11.6) is required, otherwise it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3310	Vehicle Information	LD-CTD-VI-BR040	If Rechargeable Energy Storage System (VI-11.6) equals 'Other', then the Rechargeable Energy Storage System, if "Other" (VI-11.7) is required; otherwise it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3311	Vehicle Information	LD-CTD-VI-BR041	If Drive Source (VI-10.5) is equal to 'E' (Electric Motor), then Off-board Charge Capable Indicator (VI-11.8) is required, otherwise it is optional.	Under Development (To Be Added)	Not in the System
VERIFY-3312	Vehicle Information	LD-CTD-VI-BR042	If Test Procedure Dynamometer Coefficients Category (VI-40.5) equals 'C-H-E' (City/Highway/Evap) then EPA-Calculated Total Road Load Horsepower (VI-43.5) is required; otherwise, it is not allowed.	Under Development (To Be Added)	Not in the System
VERIFY-3313	Vehicle Information	LD-CTD-VI-IB001	The selected value for Fuel(s) (VI-11.1) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3316	Vehicle Information	LD-CTD-VI-IB004	The selected value for Rechargeable Energy Storage System (VI-11.6) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3606	Vehicle Information	LD-CTD-VI-IB005	The selected value for Equivalent Test Weight Value (VI-30) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3610	Vehicle Information	LD-CTD-VI-IB006	The selected value for Drive Source Identifier (VI-10.5) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-3611	Vehicle Information	LD-CTD-VI-IB007	The selected value for Light Duty Transmission Type Identifier (VI-36) is not a valid value.	Under Development (To Be Added)	Not in the System
VERIFY-5648	Vehicle Information	LD-CTD-VI-IBR008	Each Fuel(s) (VI-11.1) may only be selected once per Drive Source (VI-10.5).	Under Development (To Be Added)	Not in the System