Displaying **951** issues as of September 26th, 2014.

Key	Compliance Program	Dataset	Business Rule Identifier
VERIFY-2987	Certification Test Data	Fuel Properties	LD-CTD-FP-BR001
VERIFY-2988	Certification Test Data	Fuel Properties	LD-CTD-FP-BR002a
VERIFY-2989	Certification Test Data	Fuel Properties	LD-CTD-FP-BR002b
VERIFY-3006	Certification Test Data	Fuel Properties	LD-CTD-FP-BR019
VERIFY-3007	Certification Test Data	Fuel Properties	LD-CTD-FP-BR020
VERIFY-3008	Certification Test Data	Fuel Properties	LD-CTD-FP-BR021
VERIFY-3009	Certification Test Data	Fuel Properties	LD-CTD-FP-BR022
VERIFY-3010	Certification Test Data	Fuel Properties	LD-CTD-FP-BR023
VERIFY-22680	Certification Test Data	Fuel Properties	LD-CTD-FP-BR024
VERIFY-10578	Certification Test Data	Test Information	LD-CTD-TI-BE001

VERIFY-10579	Certification Test Data	Test Information	LD-CTD-TI-BE002
VERIFY-10580	Certification Test Data	Test Information	LD-CTD-TI-BE003
VERIFY-3011	Certification Test Data	Test Information	LD-CTD-TI-BR001
VERIFY-3012	Certification Test Data	Test Information	LD-CTD-TI-BR002a
VERIFY-3013	Certification Test Data	Test Information	LD-CTD-TI-BR002b
VERIFY-3014	Certification Test Data	Test Information	LD-CTD-TI-BR003
VERIFY-3015	Certification Test Data	Test Information	LD-CTD-TI-BR004
VERIFY-3016	Certification Test Data	Test Information	LD-CTD-TI-BR005
VERIFY-3017	Certification Test Data	Test Information	LD-CTD-TI-BR006
VERIFY-3019	Certification Test Data	Test Information	LD-CTD-TI-BR008a
VERIFY-3020	Certification Test Data	Test Information	LD-CTD-TI-BR008b
VERIFY-3021	Certification Test Data	Test Information	LD-CTD-TI-BR009
VERIFY-3026	Certification Test Data	Test Information	LD-CTD-TI-BR016a

VERIFY-8061	Certification Test Data	Test Information	LD-CTD-TI-BR016b
VERIFY-3027	Certification Test Data	Test Information	LD-CTD-TI-BR017
VERIFY-3031	Certification Test Data	Test Information	LD-CTD-TI-BR021a
VERIFY-8055	Certification Test Data	Test Information	LD-CTD-TI-BR021b
VERIFY-3032	Certification Test Data	Test Information	LD-CTD-TI-BR022a

VERIFY-3033	Certification Test Data	Test Information	LD-CTD-TI-BR022b
VERIFY-3034	Certification Test Data	Test Information	LD-CTD-TI-BR022c
VERIFY-8056	Certification Test Data	Test Information	LD-CTD-TI-BR022d

VERIFY-3035	Certification Test Data	Test Information	LD-CTD-TI-BR023a
VERIFY-3036	Certification Test Data	Test Information	LD-CTD-TI-BR023b
VERIFY-3037	Certification Test Data	Test Information	LD-CTD-TI-BR023c
VERIFY-8067	Certification Test Data	Test Information	LD-CTD-TI-BR023d

VERIFY-3038	Certification Test Data	Test Information	LD-CTD-TI-BR024a
VERIFY-3039	Certification Test Data	Test Information	LD-CTD-TI-BR024b

VERIFY-3040	Certification Test Data	Test Information	LD-CTD-TI-BR024c
VERIFY-8059	Certification Test Data	Test Information	LD-CTD-TI-BR024d

VERIFY-3041	Certification Test Data	Test Information	LD-CTD-TI-BR025a
VERIFY-3042	Certification Test Data	Test Information	LD-CTD-TI-BR025b
VERIFY-3043	Certification Test Data	Test Information	LD-CTD-TI-BR025c

VERIFY-8060	Certification Test Data	Test Information	LD-CTD-TI-BR025d
VERIFY-3044	Certification Test Data	Test Information	LD-CTD-TI-BR026a
VERIFY-3045	Certification Test Data	Test Information	LD-CTD-TI-BR026b
VERIFY-3046	Certification Test Data	Test Information	LD-CTD-TI-BR026c

VERIFY-8062	Certification Test Data	Test Information	LD-CTD-TI-BR026d
VERIFY-3047	Certification Test Data	Test Information	LD-CTD-TI-BR027
VERIFY-3048	Certification Test Data	Test Information	LD-CTD-TI-BR028
VERIFY-3049	Certification Test Data	Test Information	LD-CTD-TI-BR029
VERIFY-3050	Certification Test Data	Test Information	LD-CTD-TI-BR030
VERIFY-3051	Certification Test Data	Test Information	LD-CTD-TI-BR031
VERIFY-3054	Certification Test Data	Test Information	LD-CTD-TI-BR033
VERIFY-3055	Certification Test Data	Test Information	LD-CTD-TI-BR034a
VERIFY-3056	Certification Test Data	Test Information	LD-CTD-TI-BR035a
VERIFY-5845	Certification Test Data	Test Information	LD-CTD-TI-BR035b
VERIFY-3057	Certification Test Data	Test Information	LD-CTD-TI-BR036

VERIFY-3058	Certification Test Data	Test Information	LD-CTD-TI-BR037
VERIFY-3317	Certification Test Data	Test Information	LD-CTD-TI-BR038
VERIFY-3318	Certification Test Data	Test Information	LD-CTD-TI-BR039
VERIFY-3320	Certification Test Data	Test Information	LD-CTD-TI-BR041
VERIFY-3321	Certification Test Data	Test Information	LD-CTD-TI-BR042
VERIFY-3322	Certification Test Data	Test Information	LD-CTD-TI-BR043
VERIFY-3323	Certification Test Data	Test Information	LD-CTD-TI-BR044
VERIFY-3324	Certification Test Data	Test Information	LD-CTD-TI-BR045
VERIFY-3325	Certification Test Data	Test Information	LD-CTD-TI-BR046

VERIFY-3326	Certification Test Data	Test Information	LD-CTD-TI-BR047a
VERIFY-5846	Certification Test Data	Test Information	LD-CTD-TI-BR047b
VERIFY-3328	Certification Test Data	Test Information	LD-CTD-TI-BR049a
VERIFY-8063	Certification Test Data	Test Information	LD-CTD-TI-BR049b
VERIFY-3329	Certification Test Data	Test Information	LD-CTD-TI-BR050a
VERIFY-8064	Certification Test Data	Test Information	LD-CTD-TI-BR050b
VERIFY-3330	Certification Test Data	Test Information	LD-CTD-TI-BR051a
VERIFY-8065	Certification Test Data	Test Information	LD-CTD-TI-BR051b
VERIFY-3331	Certification Test Data	Test Information	LD-CTD-TI-BR052a

VERIFY-8066	Certification Test Data	Test Information	LD-CTD-TI-BR052b
VERIFY-5637	Certification Test Data	Test Information	LD-CTD-TI-BR053
VERIFY-5638	Certification Test Data	Test Information	LD-CTD-TI-BR054
VERIFY-5639	Certification Test Data	Test Information	LD-CTD-TI-BR055
VERIFY-5640	Certification Test Data	Test Information	LD-CTD-TI-BR056
VERIFY-5641	Certification Test Data	Test Information	LD-CTD-TI-BR057
VERIFY-5642	Certification Test Data	Test Information	LD-CTD-TI-BR058
VERIFY-5643	Certification Test Data	Test Information	LD-CTD-TI-BR059
VERIFY-5655	Certification Test Data	Test Information	LD-CTD-TI-BR060
VERIFY-5656	Certification Test Data	Test Information	LD-CTD-TI-BR061

VERIFY-5657	Certification Test Data	Test Information	LD-CTD-TI-BR062
VERIFY-5658	Certification Test Data	Test Information	LD-CTD-TI-BR063
VERIFY-5659	Certification Test Data	Test Information	LD-CTD-TI-BR064a
VERIFY-6226	Certification Test Data	Test Information	LD-CTD-TI-BR064b
VERIFY-5660	Certification Test Data	Test Information	LD-CTD-TI-BR065
VERIFY-5621	Certification Test Data	Test Information	LD-CTD-TI-BR066
VERIFY-9935	Certification Test Data	Test Information	LD-CTD-TI-BR068a
VERIFY-10386	Certification Test Data	Test Information	LD-CTD-TI-BR068b

VERIFY-9936	Certification Test Data	Test Information	LD-CTD-TI-BR069a
VERIFY-10221	Certification Test Data	Test Information	LD-CTD-TI-BR069b
VERIFY-10222	Certification Test Data	Test Information	LD-CTD-TI-BR069c
VERIFY-10119	Certification Test Data	Test Information	LD-CTD-TI-BR070
VERIFY-11595	Certification Test Data	Test Information	LD-CTD-TI-BR072

VERIFY-11596	Certification Test Data	Test Information	LD-CTD-TI-BR073
VERIFY-11668	Certification Test Data	Test Information	LD-CTD-TI-BR074
VERIFY-11669	Certification Test Data	Test Information	LD-CTD-TI-BR075
VERIFY-11741	Certification Test Data	Test Information	LD-CTD-TI-BR076a
VERIFY-11921	Certification Test Data	Test Information	LD-CTD-TI-BR076b
VERIFY-11742	Certification Test Data	Test Information	LD-CTD-TI-BR077a
VERIFY-11922	Certification Test Data	Test Information	LD-CTD-TI-BR077b
VERIFY-11743	Certification Test Data	Test Information	LD-CTD-TI-BR078a

VERIFY-11923	Certification Test Data	Test Information	LD-CTD-TI-BR078b
VERIFY-11744	Certification Test Data	Test Information	LD-CTD-TI-BR079a
VERIFY-11924	Certification Test Data	Test Information	LD-CTD-TI-BR079b
VERIFY-11983	Certification Test Data	Test Information	LD-CTD-TI-BR080
VERIFY-12720	Certification Test Data	Test Information	LD-CTD-TI-BR081
VERIFY-12742	Certification Test Data	Test Information	LD-CTD-TI-BR082
VERIFY-16810	Certification Test Data	Test Information	LD-CTD-TI-BR083a

VERIFY-16851	Certification Test Data	Test Information	LD-CTD-TI-BR083b
VERIFY-16812	Certification Test Data	Test Information	LD-CTD-TI-BR084a
VERIFY-16852	Certification Test Data	Test Information	LD-CTD-TI-BR084b
VERIFY-16966	Certification Test Data	Test Information	LD-CTD-TI-BR085
VERIFY-22730	Certification Test Data	Test Information	LD-CTD-TI-BR086
VERIFY-22731	Certification Test Data	Test Information	LD-CTD-TI-BR087
VERIFY-22732	Certification Test Data	Test Information	LD-CTD-TI-BR088

VERIFY-22733	Certification Test Data	Test Information	LD-CTD-TI-BR089
VERIFY-22734	Certification Test Data	Test Information	LD-CTD-TI-BR090
VERIFY-22735	Certification Test Data	Test Information	LD-CTD-TI-BR091
VERIFY-22737	Certification Test Data	Test Information	LD-CTD-TI-BR093
VERIFY-3332	Certification Test Data	Test Information	LD-CTD-TI-IB001
VERIFY-3333	Certification Test Data	Test Information	LD-CTD-TI-IB002
VERIFY-3334	Certification Test Data	Test Information	LD-CTD-TI-IB003
VERIFY-3335	Certification Test Data	Test Information	LD-CTD-TI-IB004
VERIFY-3336	Certification Test Data	Test Information	LD-CTD-TI-IB008
VERIFY-10577	Certification Test Data	Vehicle Information	LD-CTD-VI-BE001
VERIFY-2956	Certification Test Data	Vehicle Information	LD-CTD-VI-BR001
VERIFY-2957	Certification Test Data	Vehicle Information	LD-CTD-VI-BR002

VERIFY-2958	Certification Test Data	Vehicle Information	LD-CTD-VI-BR003
VERIFY-2959	Certification Test Data	Vehicle Information	LD-CTD-VI-BR004
VERIFY-2960	Certification Test Data	Vehicle Information	LD-CTD-VI-BR005
VERIFY-2961	Certification Test Data	Vehicle Information	LD-CTD-VI-BR006
VERIFY-2962	Certification Test Data	Vehicle Information	LD-CTD-VI-BR007
VERIFY-2964	Certification Test Data	Vehicle Information	LD-CTD-VI-BR009
VERIFY-2968	Certification Test Data	Vehicle Information	LD-CTD-VI-BR013
VERIFY-2969	Certification Test Data	Vehicle Information	LD-CTD-VI-BR014
VERIFY-2970	Certification Test Data	Vehicle Information	LD-CTD-VI-BR015
VERIFY-2971	Certification Test Data	Vehicle Information	LD-CTD-VI-BR016
VERIFY-2972	Certification Test Data	Vehicle Information	LD-CTD-VI-BR017
VERIFY-2973	Certification Test Data	Vehicle Information	LD-CTD-VI-BR018
VERIFY-2974	Certification Test Data	Vehicle Information	LD-CTD-VI-BR019
VERIFY-2975	Certification Test Data	Vehicle Information	LD-CTD-VI-BR020
VERIFY-2976	Certification Test Data	Vehicle Information	LD-CTD-VI-BR021
VERIFY-2977	Certification Test Data	Vehicle Information	LD-CTD-VI-BR022
VERIFY-2978	Certification Test Data	Vehicle Information	LD-CTD-VI-BR023

VERIFY-2979	Certification Test Data	Vehicle Information	LD-CTD-VI-BR024
VERIFY-2980	Certification Test Data	Vehicle Information	LD-CTD-VI-BR025
VERIFY-2981	Certification Test Data	Vehicle Information	LD-CTD-VI-BR026
VERIFY-2982	Certification Test Data	Vehicle Information	LD-CTD-VI-BR027
VERIFY-2983	Certification Test Data	Vehicle Information	LD-CTD-VI-BR028
VERIFY-2984	Certification Test Data	Vehicle Information	LD-CTD-VI-BR029
VERIFY-2985	Certification Test Data	Vehicle Information	LD-CTD-VI-BR030
VERIFY-2986	Certification Test Data	Vehicle Information	LD-CTD-VI-BR031
VERIFY-3302	Certification Test Data	Vehicle Information	LD-CTD-VI-BR032
VERIFY-3303	Certification Test Data	Vehicle Information	LD-CTD-VI-BR033
VERIFY-3305	Certification Test Data	Vehicle Information	LD-CTD-VI-BR035a
VERIFY-5844	Certification Test Data	Vehicle Information	LD-CTD-VI-BR035b
VERIFY-3306	Certification Test Data	Vehicle Information	LD-CTD-VI-BR036
VERIFY-3307	Certification Test Data	Vehicle Information	LD-CTD-VI-BR037

VERIFY-3308	Certification Test Data	Vehicle Information	LD-CTD-VI-BR038
VERIFY-3309	Certification Test Data	Vehicle Information	LD-CTD-VI-BR039
VERIFY-3310	Certification Test Data	Vehicle Information	LD-CTD-VI-BR040
VERIFY-3311	Certification Test Data	Vehicle Information	LD-CTD-VI-BR041
VERIFY-3312	Certification Test Data	Vehicle Information	LD-CTD-VI-BR042
VERIFY-3313	Certification Test Data	Vehicle Information	LD-CTD-VI-IBR001
VERIFY-3316	Certification Test Data	Vehicle Information	LD-CTD-VI-IBR004
VERIFY-3606	Certification Test Data	Vehicle Information	LD-CTD-VI-IBR005
VERIFY-3610	Certification Test Data	Vehicle Information	LD-CTD-VI-IBR006
VERIFY-3611	Certification Test Data	Vehicle Information	LD-CTD-VI-IBR007
VERIFY-5648	Certification Test Data	Vehicle Information	LD-CTD-VI-IBR008
VERIFY-3059	Confirmatory Test	Decision Information	LD-CFT-DI-BR001
VERIFY-3060	Confirmatory Test	Decision Information	LD-CFT-DI-BR002
VERIFY-3061	Confirmatory Test	Decision Information	LD-CFT-DI-BR003
VERIFY-3062	Confirmatory Test	Decision Information	LD-CFT-DI-BR004
VERIFY-3063	Confirmatory Test	Decision Information	LD-CFT-DI-BR005
VERIFY-3064	Confirmatory Test	Decision Information	LD-CFT-DI-BR006
VERIFY-3065	Confirmatory Test	Decision Information	LD-CFT-DI-BR008

VERIFY-3066	Confirmatory Test	Decision Information	LD-CFT-DI-BR010a
VERIFY-10854	Confirmatory Test	Decision Information	LD-CFT-DI-BR010b
VERIFY-3068	Confirmatory Test	Decision Information	LD-CFT-DI-BR011
VERIFY-3069	Confirmatory Test	Decision Information	LD-CFT-DI-BR012
VERIFY-3070	Confirmatory Test	Decision Information	LD-CFT-DI-BR013
VERIFY-3071	Confirmatory Test	Decision Information	LD-CFT-DI-BR014
VERIFY-3072	Confirmatory Test	Decision Information	LD-CFT-DI-BR015
VERIFY-3073	Confirmatory Test	Decision Information	LD-CFT-DI-BR016
VERIFY-3074	Confirmatory Test	Decision Information	LD-CFT-DI-BR017
VERIFY-3075	Confirmatory Test	Decision Information	LD-CFT-DI-BR018
VERIFY-3076	Confirmatory Test	Decision Information	LD-CFT-DI-BR019
VERIFY-3337	Confirmatory Test	Decision Information	LD-CFT-DI-BR020

VERIFY-5619	Confirmatory Test	Decision Information	LD-CFT-DI-BR021
VERIFY-22683	Confirmatory Test	Decision Information	LD-CFT-DI-BR022
VERIFY-22689	Confirmatory Test	Decision Information	LD-CFT-DI-BR023
VERIFY-22690	Confirmatory Test	Decision Information	LD-CFT-DI-BR024
VERIFY-22691	Confirmatory Test	Decision Information	LD-CFT-DI-BR025
VERIFY-3077	Confirmatory Test	Shift Schedule	LD-CFT-SS-BR001a
VERIFY-3078	Confirmatory Test	Shift Schedule	LD-CFT-SS-BR001b
VERIFY-3079	Confirmatory Test	Shift Schedule	LD-CFT-SS-BR002
VERIFY-3080	Confirmatory Test	Shift Schedule	LD-CFT-SS-BR003
VERIFY-3081	Confirmatory Test	Shift Schedule	LD-CFT-SS-BR004

VERIFY-3082	Confirmatory Test	Shift Schedule	LD-CFT-SS-BR005
VERIFY-3083	Confirmatory Test	Shift Schedule	LD-CFT-SS-BR006
VERIFY-3084	Confirmatory Test	Shift Schedule	LD-CFT-SS-BR007
VERIFY-3085	Confirmatory Test	Shift Schedule	LD-CFT-SS-BR008
VERIFY-3086	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR001a
VERIFY-3087	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR001b
VERIFY-3088	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR002
VERIFY-3089	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR003
VERIFY-3090	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR004a
VERIFY-3091	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR004b
VERIFY-3092	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR005
VERIFY-3093	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR006

VERIFY-3095	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR008
VERIFY-3096	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR009
VERIFY-3097	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR010
VERIFY-3098	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR011
VERIFY-3099	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR012
VERIFY-3100	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR013
VERIFY-3101	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR014
VERIFY-3102	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR015
VERIFY-3103	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR016
VERIFY-3104	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR017
VERIFY-3105	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR018
VERIFY-3106	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR019

VERIFY-3107	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR020
VERIFY-3108	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR021
VERIFY-3109	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR022
VERIFY-3110	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR023
VERIFY-3112	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR025
VERIFY-3339	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR026
VERIFY-3340	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR027
VERIFY-5673	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR028
VERIFY-5674	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR029

VERIFY-13386	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR030
VERIFY-13388	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR031
VERIFY-13389	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR032
VERIFY-22789	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR033
VERIFY-22783	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR034
VERIFY-22785	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR035
VERIFY-22786	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR036

VERIFY-22858	Confirmatory Test	Supplemental Information	LD-CFT-SI-BR037
VERIFY-3647	Confirmatory Test	Supplemental Information	LD-CFT-SI-IB001a
VERIFY-3648	Confirmatory Test	Supplemental Information	LD-CFT-SI-IB001b
VERIFY-3649	Confirmatory Test	Supplemental Information	LD-CFT-SI-IB002a
VERIFY-3650	Confirmatory Test	Supplemental Information	LD-CFT-SI-IB002b
VERIFY-3651	Confirmatory Test	Supplemental Information	LD-CFT-SI-IB002c
VERIFY-3652	Confirmatory Test	Supplemental Information	LD-CFT-SI-IB003a
VERIFY-3653	Confirmatory Test	Supplemental Information	LD-CFT-SI-IB003b
VERIFY-3113	Certification	Carline	LD-CERT-CL-BR001
VERIFY-3114	Certification	Carline	LD-CERT-CL-BR002a
VERIFY-3115	Certification	Carline	LD-CERT-CL-BR002b
VERIFY-3116	Certification	Carline	LD-CERT-CL-BR003
VERIFY-3117	Certification	Carline	LD-CERT-CL-BR004
VERIFY-3118	Certification	Carline	LD-CERT-CL-BR005

VERIFY-3122	Certification	Carline	LD-CERT-CL-BR009
VERIFY-3123	Certification	Carline	LD-CERT-CL-BR010
VERIFY-3124	Certification	Carline	LD-CERT-CL-BR011
VERIFY-3125	Certification	Carline	LD-CERT-CL-BR012
VERIFY-3341	Certification	Carline	LD-CERT-CL-BR013
VERIFY-3342	Certification	Carline	LD-CERT-CL-BR014
VERIFY-3343	Certification	Carline	LD-CERT-CL-BR015
VERIFY-3344	Certification	Carline	LD-CERT-CL-BR016
VERIFY-3345	Certification	Carline	LD-CERT-CL-BR017
VERIFY-3346	Certification	Carline	LD-CERT-CL-BR018
VERIFY-3347	Certification	Carline	LD-CERT-CL-BR019

VERIFY-3348	Certification	Carline	LD-CERT-CL-BR020
VERIFY-6782	Certification	Carline	LD-CERT-CL-BR021
VERIFY-10804	Certification	Carline	LD-CERT-CL-BR022
VERIFY-10805	Certification	Carline	LD-CERT-CL-BR023
VERIFY-10900	Certification	Carline	LD-CERT-CL-BR024
VERIFY-11436	Certification	Carline	LD-CERT-CL-BR025
VERIFY-12228	Certification	Carline	LD-CERT-CL-BR026
VERIFY-3349	Certification	Carline	LD-CERT-CL-IB001
VERIFY-3260	Certification	Certificate Request	LD-CERT-CR-BR001
VERIFY-3261	Certification	Certificate Request	LD-CERT-CR-BR002
VERIFY-3262	Certification	Certificate Request	LD-CERT-CR-BR011

VERIFY-3263	Certification	Certificate Request	LD-CERT-CR-BR012
VERIFY-3264	Certification	Certificate Request	LD-CERT-CR-BR013
VERIFY-3265	Certification	Certificate Request	LD-CERT-CR-BR014
VERIFY-3266	Certification	Certificate Request	LD-CERT-CR-BR015
VERIFY-3267	Certification	Certificate Request	LD-CERT-CR-BR016
VERIFY-3268	Certification	Certificate Request	LD-CERT-CR-BR017
VERIFY-3269	Certification	Certificate Request	LD-CERT-CR-BR018
VERIFY-3270	Certification	Certificate Request	LD-CERT-CR-BR019
VERIFY-3271	Certification	Certificate Request	LD-CERT-CR-BR020a
VERIFY-3272	Certification	Certificate Request	LD-CERT-CR-BR020b
VERIFY-3273	Certification	Certificate Request	LD-CERT-CR-BR020c

VERIFY-3274	Certification	Certificate Request	LD-CERT-CR-BR021
VERIFY-3275	Certification	Certificate Request	LD-CERT-CR-BR022
VERIFY-3277	Certification	Certificate Request	LD-CERT-CR-BR024
VERIFY-11992	Certification	Certificate Request	LD-CERT-CR-BR026
VERIFY-12186	Certification	Certificate Request	LD-CERT-CR-BR027
VERIFY-12397	Certification	Certificate Request	LD-CERT-CR-BR028
VERIFY-12473	Certification	Certificate Request	LD-CERT-CR-BR029
VERIFY-3126	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR001a
VERIFY-3127	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR001b
VERIFY-3128	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR002
VERIFY-3129	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR003
VERIFY-3130	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR005
VERIFY-3131	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR006
VERIFY-3132	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR007
VERIFY-3133	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR008

VERIFY-3134	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR009
VERIFY-3136	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR011
VERIFY-3137	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR012
VERIFY-3138	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR013
VERIFY-3350	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR014
VERIFY-3351	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR015
VERIFY-3353	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR017
VERIFY-22750	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR018
VERIFY-22751	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR019
VERIFY-22752	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR020
VERIFY-22753	Certification	Evaporative / Refueling Family	LD-CERT-EV-BR021
VERIFY-3682	Certification	Evaporative / Refueling Family	LD-CERT-EV-IB001
VERIFY-3139	Certification	Test Group	LD-CERT-TG-BR001a
VERIFY-3140	Certification	Test Group	LD-CERT-TG-BR001b
VERIFY-3141	Certification	Test Group	LD-CERT-TG-BR002
VERIFY-3142	Certification	Test Group	LD-CERT-TG-BR003

VERIFY-3143	Certification	Test Group	LD-CERT-TG-BR004
VERIFY-3144	Certification	Test Group	LD-CERT-TG-BR005
VERIFY-3145	Certification	Test Group	LD-CERT-TG-BR006
VERIFY-3149	Certification	Test Group	LD-CERT-TG-BR011
VERIFY-3150	Certification	Test Group	LD-CERT-TG-BR012
VERIFY-3151	Certification	Test Group	LD-CERT-TG-BR013
VERIFY-3153	Certification	Test Group	LD-CERT-TG-BR015
VERIFY-3154	Certification	Test Group	LD-CERT-TG-BR016
VERIFY-3157	Certification	Test Group	LD-CERT-TG-BR019
VERIFY-3158	Certification	Test Group	LD-CERT-TG-BR020
VERIFY-3161	Certification	Test Group	LD-CERT-TG-BR023
VERIFY-3162	Certification	Test Group	LD-CERT-TG-BR024
VERIFY-3166	Certification	Test Group	LD-CERT-TG-BR027
VERIFY-3169	Certification	Test Group	LD-CERT-TG-BR030a

VERIFY-3170	Certification	Test Group	LD-CERT-TG-BR031
VERIFY-3171	Certification	Test Group	LD-CERT-TG-BR032
VERIFY-3172	Certification	Test Group	LD-CERT-TG-BR033
VERIFY-3173	Certification	Test Group	LD-CERT-TG-BR034
VERIFY-3174	Certification	Test Group	LD-CERT-TG-BR035
VERIFY-3178	Certification	Test Group	LD-CERT-TG-BR037
VERIFY-3179	Certification	Test Group	LD-CERT-TG-BR038
VERIFY-3182	Certification	Test Group	LD-CERT-TG-BR040
VERIFY-3184	Certification	Test Group	LD-CERT-TG-BR042
VERIFY-3188	Certification	Test Group	LD-CERT-TG-BR046
VERIFY-3190	Certification	Test Group	LD-CERT-TG-BR048
VERIFY-3191	Certification	Test Group	LD-CERT-TG-BR049
VERIFY-3192	Certification	Test Group	LD-CERT-TG-BR050
VERIFY-3193	Certification	Test Group	LD-CERT-TG-BR051

VERIFY-3194	Certification	Test Group	LD-CERT-TG-BR052
VERIFY-3197	Certification	Test Group	LD-CERT-TG-BR055
VERIFY-3198	Certification	Test Group	LD-CERT-TG-BR056
VERIFY-3199	Certification	Test Group	LD-CERT-TG-BR057
VERIFY-3200	Certification	Test Group	LD-CERT-TG-BR058
VERIFY-3201	Certification	Test Group	LD-CERT-TG-BR059
VERIFY-3202	Certification	Test Group	LD-CERT-TG-BR060
VERIFY-3203	Certification	Test Group	LD-CERT-TG-BR061
VERIFY-3204	Certification	Test Group	LD-CERT-TG-BR062a
VERIFY-3205	Certification	Test Group	LD-CERT-TG-BR062b

VERIFY-3206	Certification	Test Group	LD-CERT-TG-BR062c
VERIFY-3207	Certification	Test Group	LD-CERT-TG-BR063a
VERIFY-3208	Certification	Test Group	LD-CERT-TG-BR063b
VERIFY-3209	Certification	Test Group	LD-CERT-TG-BR063c
VERIFY-3210	Certification	Test Group	LD-CERT-TG-BR064a
VERIFY-3211	Certification	Test Group	LD-CERT-TG-BR064b
VERIFY-3212	Certification	Test Group	LD-CERT-TG-BR064c

VERIFY-3213	Certification	Test Group	LD-CERT-TG-BR065a
VERIFY-3214	Certification	Test Group	LD-CERT-TG-BR065b
VERIFY-22889	Certification	Test Group	LD-CERT-TG-BR065c
VERIFY-3215	Certification	Test Group	LD-CERT-TG-BR066
VERIFY-3216	Certification	Test Group	LD-CERT-TG-BR067
VERIFY-3217	Certification	Test Group	LD-CERT-TG-BR068
VERIFY-3218	Certification	Test Group	LD-CERT-TG-BR069
VERIFY-3219	Certification	Test Group	LD-CERT-TG-BR070

VERIFY-3223	Certification	Test Group	LD-CERT-TG-BR073a
VERIFY-9388	Certification	Test Group	LD-CERT-TG-BR073b
VERIFY-3225	Certification	Test Group	LD-CERT-TG-BR075
VERIFY-3226	Certification	Test Group	LD-CERT-TG-BR076
VERIFY-3227	Certification	Test Group	LD-CERT-TG-BR077
VERIFY-3228	Certification	Test Group	LD-CERT-TG-BR078
VERIFY-3229	Certification	Test Group	LD-CERT-TG-BR079
VERIFY-3230	Certification	Test Group	LD-CERT-TG-BR080a
VERIFY-3231	Certification	Test Group	LD-CERT-TG-BR080b
VERIFY-3232	Certification	Test Group	LD-CERT-TG-BR080c

VERIFY-3233	Certification	Test Group	LD-CERT-TG-BR081a
VERIFY-3234	Certification	Test Group	LD-CERT-TG-BR081b
VERIFY-3236	Certification	Test Group	LD-CERT-TG-BR083
VERIFY-3237	Certification	Test Group	LD-CERT-TG-BR084
VERIFY-3241	Certification	Test Group	LD-CERT-TG-BR088
VERIFY-3242	Certification	Test Group	LD-CERT-TG-BR089
VERIFY-3243	Certification	Test Group	LD-CERT-TG-BR090
VERIFY-3244	Certification	Test Group	LD-CERT-TG-BR091
VERIFY-3245	Certification	Test Group	LD-CERT-TG-BR092

VERIFY-3248	Certification	Test Group	LD-CERT-TG-BR095a
VERIFY-3249	Certification	Test Group	LD-CERT-TG-BR095b
VERIFY-3251	Certification	Test Group	LD-CERT-TG-BR096
VERIFY-3252	Certification	Test Group	LD-CERT-TG-BR097
VERIFY-3253	Certification	Test Group	LD-CERT-TG-BR098
VERIFY-3254	Certification	Test Group	LD-CERT-TG-BR099
VERIFY-3255	Certification	Test Group	LD-CERT-TG-BR100
VERIFY-3256	Certification	Test Group	LD-CERT-TG-BR101

VERIFY-3257	Certification	Test Group	LD-CERT-TG-BR102
VERIFY-3258	Certification	Test Group	LD-CERT-TG-BR103
VERIFY-3259	Certification	Test Group	LD-CERT-TG-BR104
VERIFY-3354	Certification	Test Group	LD-CERT-TG-BR105
VERIFY-3355	Certification	Test Group	LD-CERT-TG-BR106
VERIFY-3356	Certification	Test Group	LD-CERT-TG-BR107
VERIFY-3357	Certification	Test Group	LD-CERT-TG-BR108
VERIFY-3358	Certification	Test Group	LD-CERT-TG-BR109
VERIFY-3361	Certification	Test Group	LD-CERT-TG-BR112
VERIFY-3362	Certification	Test Group	LD-CERT-TG-BR113a
VERIFY-9389	Certification	Test Group	LD-CERT-TG-BR113b

VERIFY-3363	Certification	Test Group	LD-CERT-TG-BR114
VERIFY-3364	Certification	Test Group	LD-CERT-TG-BR115
VERIFY-3365	Certification	Test Group	LD-CERT-TG-BR116
VERIFY-3366	Certification	Test Group	LD-CERT-TG-BR117
VERIFY-3367	Certification	Test Group	LD-CERT-TG-BR118
VERIFY-3369	Certification	Test Group	LD-CERT-TG-BR120
VERIFY-3371	Certification	Test Group	LD-CERT-TG-BR122
VERIFY-3374	Certification	Test Group	LD-CERT-TG-BR125
VERIFY-3376	Certification	Test Group	LD-CERT-TG-BR127
VERIFY-3377	Certification	Test Group	LD-CERT-TG-BR128
VERIFY-3380	Certification	Test Group	LD-CERT-TG-BR131
VERIFY-3381	Certification	Test Group	LD-CERT-TG-BR132
VERIFY-3382	Certification	Test Group	LD-CERT-TG-BR133
VERIFY-3383	Certification	Test Group	LD-CERT-TG-BR134

VERIFY-3384	Certification	Test Group	LD-CERT-TG-BR135
VERIFY-3385	Certification	Test Group	LD-CERT-TG-BR136
VERIFY-3386	Certification	Test Group	LD-CERT-TG-BR137
VERIFY-3387	Certification	Test Group	LD-CERT-TG-BR138
VERIFY-3388	Certification	Test Group	LD-CERT-TG-BR139
VERIFY-3389	Certification	Test Group	LD-CERT-TG-BR140a
VERIFY-9391	Certification	Test Group	LD-CERT-TG-BR140b
VERIFY-3390	Certification	Test Group	LD-CERT-TG-BR141a
VERIFY-9392	Certification	Test Group	LD-CERT-TG-BR141b
VERIFY-3392	Certification	Test Group	LD-CERT-TG-BR143
VERIFY-3393	Certification	Test Group	LD-CERT-TG-BR144
VERIFY-3394	Certification	Test Group	LD-CERT-TG-BR145
VERIFY-3395	Certification	Test Group	LD-CERT-TG-BR146
VERIFY-3396	Certification	Test Group	LD-CERT-TG-BR147
VERIFY-3397	Certification	Test Group	LD-CERT-TG-BR148
VERIFY-3398	Certification	Test Group	LD-CERT-TG-BR149
VERIFY-3399	Certification	Test Group	LD-CERT-TG-BR150

VERIFY-3400	Certification	Test Group	LD-CERT-TG-BR151
VERIFY-3401	Certification	Test Group	LD-CERT-TG-BR152
VERIFY-3402	Certification	Test Group	LD-CERT-TG-BR153
VERIFY-3403	Certification	Test Group	LD-CERT-TG-BR154
VERIFY-3404	Certification	Test Group	LD-CERT-TG-BR155
VERIFY-4104	Certification	Test Group	LD-CERT-TG-BR156
VERIFY-4105	Certification	Test Group	LD-CERT-TG-BR157
VERIFY-5649	Certification	Test Group	LD-CERT-TG-BR158

VERIFY-5650	Certification	Test Group	LD-CERT-TG-BR160
VERIFY-5675	Certification	Test Group	LD-CERT-TG-BR161
VERIFY-6147	Certification	Test Group	LD-CERT-TG-BR162
VERIFY-6158	Certification	Test Group	LD-CERT-TG-BR163
VERIFY-6159	Certification	Test Group	LD-CERT-TG-BR164
VERIFY-6166	Certification	Test Group	LD-CERT-TG-BR165a
VERIFY-9093	Certification	Test Group	LD-CERT-TG-BR165b
VERIFY-6169	Certification	Test Group	LD-CERT-TG-BR166
VERIFY-6171	Certification	Test Group	LD-CERT-TG-BR167
VERIFY-6172	Certification	Test Group	LD-CERT-TG-BR168
VERIFY-6176	Certification	Test Group	LD-CERT-TG-BR170a
VERIFY-9094	Certification	Test Group	LD-CERT-TG-BR170b
VERIFY-6177	Certification	Test Group	LD-CERT-TG-BR171

VERIFY-5739	Certification	Test Group	LD-CERT-TG-BR172
VERIFY-6306	Certification	Test Group	LD-CERT-TG-BR174a
VERIFY-9095	Certification	Test Group	LD-CERT-TG-BR174b
VERIFY-6331	Certification	Test Group	LD-CERT-TG-BR176
VERIFY-9400	Certification	Test Group	LD-CERT-TG-BR177
VERIFY-6167	Certification	Test Group	LD-CERT-TG-BR179
VERIFY-6351	Certification	Test Group	LD-CERT-TG-BR180
VERIFY-9395	Certification	Test Group	LD-CERT-TG-BR181
VERIFY-9398	Certification	Test Group	LD-CERT-TG-BR182
VERIFY-9403	Certification	Test Group	LD-CERT-TG-BR183

VERIFY-9404	Certification	Test Group	LD-CERT-TG-BR184
VERIFY-10220	Certification	Test Group	LD-CERT-TG-BR185
VERIFY-9938	Certification	Test Group	LD-CERT-TG-BR186
VERIFY-9937	Certification	Test Group	LD-CERT-TG-BR187
VERIFY-10242	Certification	Test Group	LD-CERT-TG-BR188
VERIFY-10301	Certification	Test Group	LD-CERT-TG-BR189
VERIFY-10311	Certification	Test Group	LD-CERT-TG-BR190
VERIFY-10576	Certification	Test Group	LD-CERT-TG-BR191

VERIFY-10695	Certification	Test Group	LD-CERT-TG-BR192
VERIFY-10696	Certification	Test Group	LD-CERT-TG-BR193
VERIFY-10697	Certification	Test Group	LD-CERT-TG-BR194
VERIFY-10698	Certification	Test Group	LD-CERT-TG-BR195
VERIFY-10699	Certification	Test Group	LD-CERT-TG-BR196
VERIFY-10779	Certification	Test Group	LD-CERT-TG-BR197
VERIFY-10780	Certification	Test Group	LD-CERT-TG-BR198
VERIFY-11408	Certification	Test Group	LD-CERT-TG-BR199
VERIFY-10832	Certification	Test Group	LD-CERT-TG-BR199
VERIFY-11409	Certification	Test Group	LD-CERT-TG-BR200
VERIFY-11944	Certification	Test Group	LD-CERT-TG-BR201
VERIFY-11946	Certification	Test Group	LD-CERT-TG-BR202
VERIFY-12187	Certification	Test Group	LD-CERT-TG-BR203

VERIFY-12189	Certification	Test Group	LD-CERT-TG-BR204
VERIFY-22782	Certification	Test Group	LD-CERT-TG-BR205
VERIFY-22784	Certification	Test Group	LD-CERT-TG-BR206
VERIFY-22787	Certification	Test Group	LD-CERT-TG-BR207
VERIFY-22867	Certification	Test Group	LD-CERT-TG-BR209
VERIFY-22868	Certification	Test Group	LD-CERT-TG-BR210
VERIFY-22869	Certification	Test Group	LD-CERT-TG-BR211
VERIFY-22871	Certification	Test Group	LD-CERT-TG-BR213
VERIFY-22872	Certification	Test Group	LD-CERT-TG-BR214

VERIFY-22873	Certification	Test Group	LD-CERT-TG-BR215
VERIFY-22874	Certification	Test Group	LD-CERT-TG-BR216
VERIFY-22875	Certification	Test Group	LD-CERT-TG-BR217
VERIFY-22876	Certification	Test Group	LD-CERT-TG-BR218
VERIFY-22890	Certification	Test Group	LD-CERT-TG-BR219
VERIFY-22891	Certification	Test Group	LD-CERT-TG-BR220
VERIFY-22896	Certification	Test Group	LD-CERT-TG-BR225
VERIFY-22897	Certification	Test Group	LD-CERT-TG-BR226

VERIFY-22899	Certification	Test Group	LD-CERT-TG-BR228
VERIFY-22900	Certification	Test Group	LD-CERT-TG-BR229
VERIFY-22901	Certification	Test Group	LD-CERT-TG-BR230
VERIFY-22902	Certification	Test Group	LD-CERT-TG-BR231
VERIFY-22916	Certification	Test Group	LD-CERT-TG-BR236
VERIFY-22917	Certification	Test Group	LD-CERT-TG-BR237
VERIFY-22971	Certification	Test Group	LD-CERT-TG-BR239
VERIFY-22997	Certification	Test Group	LD-CERT-TG-BR240
VERIFY-22999	Certification	Test Group	LD-CERT-TG-BR241
VERIFY-23000	Certification	Test Group	LD-CERT-TG-BR242

VERIFY-23001	Certification	Test Group	LD-CERT-TG-BR243
VERIFY-23002	Certification	Test Group	LD-CERT-TG-BR244
VERIFY-23003	Certification	Test Group	LD-CERT-TG-BR245
VERIFY-23006	Certification	Test Group	LD-CERT-TG-BR246
VERIFY-23027	Certification	Test Group	LD-CERT-TG-BR247
VERIFY-9399	Certification	Test Group	LD-CERT-TG-GBR001

VERIFY-9401	Certification	Test Group	LD-CERT-TG-GBR002
VERIFY-9402	Certification	Test Group	LD-CERT-TG-GBR003
VERIFY-3405	Certification	Test Group	LD-CERT-TG-IBR001
VERIFY-3406	Certification	Test Group	LD-CERT-TG-IBR002a

VERIFY-3683	Certification	Test Group	LD-CERT-TG-IBR002b
VERIFY-3684	Certification	Test Group	LD-CERT-TG-IBR002c
VERIFY-3685	Certification	Test Group	LD-CERT-TG-IBR002d
VERIFY-3407	Certification	Test Group	LD-CERT-TG-IBR003
VERIFY-3408	Certification	Test Group	LD-CERT-TG-IBR004
VERIFY-3686	Certification	Test Group	LD-CERT-TG-IBR005
VERIFY-3687	Certification	Test Group	LD-CERT-TG-IBR006
VERIFY-5647	Certification	Test Group	LD-CERT-TG-IBR007
VERIFY-4896	Fuel Economy	CAFE	LD-FE-CA-BR001a
VERIFY-4581	Fuel Economy	CAFE	LD-FE-CA-BR001b
VERIFY-4879	Fuel Economy	CAFE	LD-FE-CA-BR002
VERIFY-4853	Fuel Economy	CAFE	LD-FE-CA-BR004
VERIFY-5599	Fuel Economy	CAFE	LD-FE-CA-BR008
VERIFY-4621	Fuel Economy	CAFE	LD-FE-CA-BR010
VERIFY-4732	Fuel Economy	CAFE	LD-FE-CA-BR011a
VERIFY-4903	Fuel Economy	CAFE	LD-FE-CA-BR011b
VERIFY-4647	Fuel Economy	CAFE	LD-FE-CA-BR012

VERIFY-4733	Fuel Economy	CAFE	LD-FE-CA-BR013
VERIFY-4793	Fuel Economy	CAFE	LD-FE-CA-BR014
VERIFY-4876	Fuel Economy	CAFE	LD-FE-CA-BR016
VERIFY-4777	Fuel Economy	CAFE	LD-FE-CA-BR017
VERIFY-4736	Fuel Economy	CAFE	LD-FE-CA-BR018
VERIFY-4874	Fuel Economy	CAFE	LD-FE-CA-BR020
VERIFY-4914	Fuel Economy	CAFE	LD-FE-CA-BR021a
VERIFY-4628	Fuel Economy	CAFE	LD-FE-CA-BR021b
VERIFY-14874	Fuel Economy	CAFE	LD-FE-CA-BR021c
VERIFY-4592	Fuel Economy	CAFE	LD-FE-CA-BR023
VERIFY-4573	Fuel Economy	CAFE	LD-FE-CA-BR024
VERIFY-4873	Fuel Economy	CAFE	LD-FE-CA-BR025
VERIFY-4714	Fuel Economy	CAFE	LD-FE-CA-BR026
VERIFY-4882	Fuel Economy	CAFE	LD-FE-CA-BR027
VERIFY-10384	Fuel Economy	CAFE	LD-FE-CA-BR032

VERIFY-4814	Fuel Economy	CAFE	LD-FE-CA-BR033
VERIFY-4871	Fuel Economy	CAFE	LD-FE-CA-BR034
VERIFY-4633	Fuel Economy	CAFE	LD-FE-CA-BR035
VERIFY-4741	Fuel Economy	CAFE	LD-FE-CA-BR039
VERIFY-4720	Fuel Economy	CAFE	LD-FE-CA-BR040
VERIFY-4775	Fuel Economy	CAFE	LD-FE-CA-BR041
VERIFY-4759	Fuel Economy	CAFE	LD-FE-CA-BR042
VERIFY-4915	Fuel Economy	CAFE	LD-FE-CA-BR055
VERIFY-4763	Fuel Economy	CAFE	LD-FE-CA-BR056
VERIFY-4669	Fuel Economy	CAFE	LD-FE-CA-BR057
VERIFY-4680	Fuel Economy	CAFE	LD-FE-CA-BR058
VERIFY-4579	Fuel Economy	CAFE	LD-FE-CA-BR059

VERIFY-4931	Fuel Economy	CAFE	LD-FE-CA-BR060
VERIFY-4921	Fuel Economy	CAFE	LD-FE-CA-BR061
VERIFY-4773	Fuel Economy	CAFE	LD-FE-CA-BR062
VERIFY-4864	Fuel Economy	CAFE	LD-FE-CA-BR063
VERIFY-4922	Fuel Economy	CAFE	LD-FE-CA-BR064
VERIFY-4744	Fuel Economy	CAFE	LD-FE-CA-BR065
VERIFY-4892	Fuel Economy	CAFE	LD-FE-CA-BR066
VERIFY-4819	Fuel Economy	CAFE	LD-FE-CA-BR079
VERIFY-4895	Fuel Economy	CAFE	LD-FE-CA-BR080
VERIFY-4595	Fuel Economy	CAFE	LD-FE-CA-BR081
VERIFY-4664	Fuel Economy	CAFE	LD-FE-CA-BR082

VERIFY-4650	Fuel Economy	CAFE	LD-FE-CA-BR083
VERIFY-4830	Fuel Economy	CAFE	LD-FE-CA-BR084
VERIFY-4582	Fuel Economy	CAFE	LD-FE-CA-BR085
VERIFY-4791	Fuel Economy	CAFE	LD-FE-CA-BR086
VERIFY-4696	Fuel Economy	CAFE	LD-FE-CA-BR087
VERIFY-4743	Fuel Economy	CAFE	LD-FE-CA-BR088
VERIFY-4708	Fuel Economy	CAFE	LD-FE-CA-BR089
VERIFY-4902	Fuel Economy	CAFE	LD-FE-CA-BR090
VERIFY-4604	Fuel Economy	CAFE	LD-FE-CA-BR096
VERIFY-4606	Fuel Economy	CAFE	LD-FE-CA-BR097
VERIFY-4611	Fuel Economy	CAFE	LD-FE-CA-BR098

VERIFY-4624	Fuel Economy	CAFE	LD-FE-CA-BR099
VERIFY-4695	Fuel Economy	CAFE	LD-FE-CA-BR100
VERIFY-4765	Fuel Economy	CAFE	LD-FE-CA-BR101
VERIFY-4829	Fuel Economy	CAFE	LD-FE-CA-BR102a
VERIFY-10480	Fuel Economy	CAFE	LD-FE-CA-BR102b
VERIFY-4806	Fuel Economy	CAFE	LD-FE-CA-BR104
VERIFY-4810	Fuel Economy	CAFE	LD-FE-CA-BR136
VERIFY-4789	Fuel Economy	CAFE	LD-FE-CA-BR137
VERIFY-5600	Fuel Economy	CAFE	LD-FE-CA-BR138
VERIFY-5601	Fuel Economy	CAFE	LD-FE-CA-BR139
VERIFY-5602	Fuel Economy	CAFE	LD-FE-CA-BR140
VERIFY-5605	Fuel Economy	CAFE	LD-FE-CA-BR143
VERIFY-5607	Fuel Economy	CAFE	LD-FE-CA-BR145
VERIFY-5617	Fuel Economy	CAFE	LD-FE-CA-BR154

VERIFY-4649	Fuel Economy	CAFE	LD-FE-CA-BR156
VERIFY-9458	Fuel Economy	CAFE	LD-FE-CA-BR157
VERIFY-9941	Fuel Economy	CAFE	LD-FE-CA-BR160
VERIFY-9942	Fuel Economy	CAFE	LD-FE-CA-BR161
VERIFY-9943	Fuel Economy	CAFE	LD-FE-CA-BR162
VERIFY-10493	Fuel Economy	CAFE	LD-FE-CA-BR163
VERIFY-11171	Fuel Economy	CAFE	LD-FE-CA-BR165
VERIFY-11789	Fuel Economy	CAFE	LD-FE-CA-BR166
VERIFY-11790	Fuel Economy	CAFE	LD-FE-CA-BR167

VERIFY-11791	Fuel Economy	CAFE	LD-FE-CA-BR168
VERIFY-11792	Fuel Economy	CAFE	LD-FE-CA-BR169
VERIFY-11793	Fuel Economy	CAFE	LD-FE-CA-BR170
VERIFY-11794	Fuel Economy	CAFE	LD-FE-CA-BR171
VERIFY-11795	Fuel Economy	CAFE	LD-FE-CA-BR172
VERIFY-11796	Fuel Economy	CAFE	LD-FE-CA-BR173
VERIFY-11797	Fuel Economy	CAFE	LD-FE-CA-BR174
VERIFY-11798	Fuel Economy	CAFE	LD-FE-CA-BR175
VERIFY-11801	Fuel Economy	CAFE	LD-FE-CA-BR178
VERIFY-11802	Fuel Economy	CAFE	LD-FE-CA-BR179
VERIFY-11803	Fuel Economy	CAFE	LD-FE-CA-BR180
VERIFY-11804	Fuel Economy	CAFE	LD-FE-CA-BR181

VERIFY-11805	Fuel Economy	CAFE	LD-FE-CA-BR182
VERIFY-11807	Fuel Economy	CAFE	LD-FE-CA-BR184
VERIFY-11809	Fuel Economy	CAFE	LD-FE-CA-BR186
VERIFY-11810	Fuel Economy	CAFE	LD-FE-CA-BR187
VERIFY-11811	Fuel Economy	CAFE	LD-FE-CA-BR188
VERIFY-11812	Fuel Economy	CAFE	LD-FE-CA-BR189
VERIFY-11813	Fuel Economy	CAFE	LD-FE-CA-BR190
VERIFY-11814	Fuel Economy	CAFE	LD-FE-CA-BR191
VERIFY-11815	Fuel Economy	CAFE	LD-FE-CA-BR192
VERIFY-11816	Fuel Economy	CAFE	LD-FE-CA-BR193
VERIFY-11817	Fuel Economy	CAFE	LD-FE-CA-BR194
VERIFY-11818	Fuel Economy	CAFE	LD-FE-CA-BR195
VERIFY-11819	Fuel Economy	CAFE	LD-FE-CA-BR196

VERIFY-11820	Fuel Economy	CAFE	LD-FE-CA-BR197
VERIFY-11821	Fuel Economy	CAFE	LD-FE-CA-BR198
VERIFY-11822	Fuel Economy	CAFE	LD-FE-CA-BR199
VERIFY-11823	Fuel Economy	CAFE	LD-FE-CA-BR200
VERIFY-11824	Fuel Economy	CAFE	LD-FE-CA-BR201
VERIFY-11825	Fuel Economy	CAFE	LD-FE-CA-BR202
VERIFY-11885	Fuel Economy	CAFE	LD-FE-CA-BR203
VERIFY-12182	Fuel Economy	CAFE	LD-FE-CA-BR204
VERIFY-12183	Fuel Economy	CAFE	LD-FE-CA-BR205

VERIFY-12184	Fuel Economy	CAFE	LD-FE-CA-BR206
VERIFY-12194	Fuel Economy	CAFE	LD-FE-CA-BR207
VERIFY-12392	Fuel Economy	CAFE	LD-FE-CA-BR208
VERIFY-12870	Fuel Economy	CAFE	LD-FE-CA-BR209
VERIFY-14844	Fuel Economy	CAFE	LD-FE-CA-BR210
VERIFY-14869	Fuel Economy	CAFE	LD-FE-CA-BR211
VERIFY-14875	Fuel Economy	CAFE	LD-FE-CA-BR212
VERIFY-14871	Fuel Economy	CAFE	LD-FE-CA-BR213

VERIFY-14872	Fuel Economy	CAFE	LD-FE-CA-BR214
VERIFY-14876	Fuel Economy	CAFE	LD-FE-CA-BR215
VERIFY-14964	Fuel Economy	CAFE	LD-FE-CA-BR216
VERIFY-4827	Fuel Economy	FE Label	LD-FE-GL-BR001a
VERIFY-4609	Fuel Economy	FE Label	LD-FE-GL-BR001b
VERIFY-4792	Fuel Economy	FE Label	LD-FE-GL-BR002
VERIFY-4574	Fuel Economy	FE Label	LD-FE-GL-BR003
VERIFY-4662	Fuel Economy	FE Label	LD-FE-GL-BR004
VERIFY-4860	Fuel Economy	FE Label	LD-FE-GL-BR005
VERIFY-4746	Fuel Economy	FE Label	LD-FE-GL-BR006
VERIFY-4723	Fuel Economy	FE Label	LD-FE-GL-BR008
VERIFY-4717	Fuel Economy	FE Label	LD-FE-GL-BR009
VERIFY-4797	Fuel Economy	FE Label	LD-FE-GL-BR011
VERIFY-4705	Fuel Economy	FE Label	LD-FE-GL-BR012
VERIFY-4801	Fuel Economy	FE Label	LD-FE-GL-BR013

VERIFY-4745	Fuel Economy	FE Label	LD-FE-GL-BR014
VERIFY-4807	Fuel Economy	FE Label	LD-FE-GL-BR015
VERIFY-4831	Fuel Economy	FE Label	LD-FE-GL-BR016
VERIFY-4870	Fuel Economy	FE Label	LD-FE-GL-BR029
VERIFY-4919	Fuel Economy	FE Label	LD-FE-GL-BR030
VERIFY-4596	Fuel Economy	FE Label	LD-FE-GL-BR034
VERIFY-4781	Fuel Economy	FE Label	LD-FE-GL-BR035
VERIFY-4802	Fuel Economy	FE Label	LD-FE-GL-BR036a
VERIFY-4823	Fuel Economy	FE Label	LD-FE-GL-BR036b
VERIFY-4794	Fuel Economy	FE Label	LD-FE-GL-BR037
VERIFY-4897	Fuel Economy	FE Label	LD-FE-GL-BR038
VERIFY-4667	Fuel Economy	FE Label	LD-FE-GL-BR039
VERIFY-4872	Fuel Economy	FE Label	LD-FE-GL-BR040
VERIFY-4901	Fuel Economy	FE Label	LD-FE-GL-BR042
VERIFY-4928	Fuel Economy	FE Label	LD-FE-GL-BR043
VERIFY-4730	Fuel Economy	FE Label	LD-FE-GL-BR044a

VERIFY-4651	Fuel Economy	FE Label	LD-FE-GL-BR044b
VERIFY-4866	Fuel Economy	FE Label	LD-FE-GL-BR045
VERIFY-4625	Fuel Economy	FE Label	LD-FE-GL-BR046
VERIFY-4728	Fuel Economy	FE Label	LD-FE-GL-BR047
VERIFY-4654	Fuel Economy	FE Label	LD-FE-GL-BR048
VERIFY-4833	Fuel Economy	FE Label	LD-FE-GL-BR049
VERIFY-4575	Fuel Economy	FE Label	LD-FE-GL-BR050
VERIFY-4750	Fuel Economy	FE Label	LD-FE-GL-BR051
VERIFY-4703	Fuel Economy	FE Label	LD-FE-GL-BR052
VERIFY-4824	Fuel Economy	FE Label	LD-FE-GL-BR053
VERIFY-4635	Fuel Economy	FE Label	LD-FE-GL-BR054
VERIFY-4615	Fuel Economy	FE Label	LD-FE-GL-BR055
VERIFY-4639	Fuel Economy	FE Label	LD-FE-GL-BR056
VERIFY-4881	Fuel Economy	FE Label	LD-FE-GL-BR057
VERIFY-4675	Fuel Economy	FE Label	LD-FE-GL-BR058
VERIFY-4890	Fuel Economy	FE Label	LD-FE-GL-BR059
VERIFY-4715	Fuel Economy	FE Label	LD-FE-GL-BR060
VERIFY-4815	Fuel Economy	FE Label	LD-FE-GL-BR061

VERIFY-4689	Fuel Economy	FE Label	LD-FE-GL-BR062
VERIFY-4716	Fuel Economy	FE Label	LD-FE-GL-BR063
VERIFY-4891	Fuel Economy	FE Label	LD-FE-GL-BR064
VERIFY-4713	Fuel Economy	FE Label	LD-FE-GL-BR065
VERIFY-4756	Fuel Economy	FE Label	LD-FE-GL-BR066
VERIFY-4894	Fuel Economy	FE Label	LD-FE-GL-BR067
VERIFY-4778	Fuel Economy	FE Label	LD-FE-GL-BR068
VERIFY-4916	Fuel Economy	FE Label	LD-FE-GL-BR069
VERIFY-4930	Fuel Economy	FE Label	LD-FE-GL-BR070
VERIFY-4913	Fuel Economy	FE Label	LD-FE-GL-BR071
VERIFY-4697	Fuel Economy	FE Label	LD-FE-GL-BR072
VERIFY-4910	Fuel Economy	FE Label	LD-FE-GL-BR073
VERIFY-4841	Fuel Economy	FE Label	LD-FE-GL-BR074
VERIFY-4766	Fuel Economy	FE Label	LD-FE-GL-BR075
VERIFY-4709	Fuel Economy	FE Label	LD-FE-GL-BR076

VERIFY-4862	Fuel Economy	FE Label	LD-FE-GL-BR077
VERIFY-4671	Fuel Economy	FE Label	LD-FE-GL-BR078
VERIFY-4626	Fuel Economy	FE Label	LD-FE-GL-BR079
VERIFY-4898	Fuel Economy	FE Label	LD-FE-GL-BR080
VERIFY-4782	Fuel Economy	FE Label	LD-FE-GL-BR081
VERIFY-4825	Fuel Economy	FE Label	LD-FE-GL-BR082
VERIFY-4657	Fuel Economy	FE Label	LD-FE-GL-BR083
VERIFY-4577	Fuel Economy	FE Label	LD-FE-GL-BR084
VERIFY-4686	Fuel Economy	FE Label	LD-FE-GL-BR085

VERIFY-4849	Fuel Economy	FE Label	LD-FE-GL-BR086
VERIFY-4672	Fuel Economy	FE Label	LD-FE-GL-BR087
VERIFY-4816	Fuel Economy	FE Label	LD-FE-GL-BR088
VERIFY-4779	Fuel Economy	FE Label	LD-FE-GL-BR089
VERIFY-4701	Fuel Economy	FE Label	LD-FE-GL-BR090
VERIFY-4603	Fuel Economy	FE Label	LD-FE-GL-BR091
VERIFY-4906	Fuel Economy	FE Label	LD-FE-GL-BR092
VERIFY-4618	Fuel Economy	FE Label	LD-FE-GL-BR093
VERIFY-4751	Fuel Economy	FE Label	LD-FE-GL-BR094
VERIFY-4712	Fuel Economy	FE Label	LD-FE-GL-BR095
VERIFY-4660	Fuel Economy	FE Label	LD-FE-GL-BR096
VERIFY-4673	Fuel Economy	FE Label	LD-FE-GL-BR097

VERIFY-4764	Fuel Economy	FE Label	LD-FE-GL-BR098
VERIFY-4601	Fuel Economy	FE Label	LD-FE-GL-BR099a
VERIFY-19397	Fuel Economy	FE Label	LD-FE-GL-BR099b
VERIFY-4839	Fuel Economy	FE Label	LD-FE-GL-BR100
VERIFY-4706	Fuel Economy	FE Label	LD-FE-GL-BR101
VERIFY-4790	Fuel Economy	FE Label	LD-FE-GL-BR102
VERIFY-4770	Fuel Economy	FE Label	LD-FE-GL-BR103

VERIFY-4307	Fuel Economy	FE Label	LD-FE-GL-BR104a
VERIFY-9096	Fuel Economy	FE Label	LD-FE-GL-BR104b
VERIFY-4620	Fuel Economy	FE Label	LD-FE-GL-BR106
VERIFY-4758	Fuel Economy	FE Label	LD-FE-GL-BR109

VERIFY-4691	Fuel Economy	FE Label	LD-FE-GL-BR110
VERIFY-4861	Fuel Economy	FE Label	LD-FE-GL-BR111
VERIFY-4877	Fuel Economy	FE Label	LD-FE-GL-BR112
VERIFY-4612	Fuel Economy	FE Label	LD-FE-GL-BR113a
VERIFY-5814	Fuel Economy	FE Label	LD-FE-GL-BR113b
VERIFY-4828	Fuel Economy	FE Label	LD-FE-GL-BR114
VERIFY-4780	Fuel Economy	FE Label	LD-FE-GL-BR115

VERIFY-4893	Fuel Economy	FE Label	LD-FE-GL-BR116a
VERIFY-6145	Fuel Economy	FE Label	LD-FE-GL-BR116b
VERIFY-4690	Fuel Economy	FE Label	LD-FE-GL-BR117
VERIFY-4785	Fuel Economy	FE Label	LD-FE-GL-BR118
VERIFY-4637	Fuel Economy	FE Label	LD-FE-GL-BR119
VERIFY-4867	Fuel Economy	FE Label	LD-FE-GL-BR120

VERIFY-4591	Fuel Economy	FE Label	LD-FE-GL-BR122
VERIFY-4644	Fuel Economy	FE Label	LD-FE-GL-BR123
VERIFY-4636	Fuel Economy	FE Label	LD-FE-GL-BR125
VERIFY-4767	Fuel Economy	FE Label	LD-FE-GL-BR126
VERIFY-4683	Fuel Economy	FE Label	LD-FE-GL-BR127
VERIFY-4834	Fuel Economy	FE Label	LD-FE-GL-BR128
VERIFY-4809	Fuel Economy	FE Label	LD-FE-GL-BR129

VERIFY-4774	Fuel Economy	FE Label	LD-FE-GL-BR130
VERIFY-4846	Fuel Economy	FE Label	LD-FE-GL-BR131
VERIFY-4607	Fuel Economy	FE Label	LD-FE-GL-BR132
VERIFY-4805	Fuel Economy	FE Label	LD-FE-GL-BR133
VERIFY-4884	Fuel Economy	FE Label	LD-FE-GL-BR134
VERIFY-4798	Fuel Economy	FE Label	LD-FE-GL-BR136
VERIFY-4832	Fuel Economy	FE Label	LD-FE-GL-BR137
VERIFY-4710	Fuel Economy	FE Label	LD-FE-GL-BR138

VERIFY-5622	Fuel Economy	FE Label	LD-FE-GL-BR139
VERIFY-5623	Fuel Economy	FE Label	LD-FE-GL-BR140
VERIFY-5624	Fuel Economy	FE Label	LD-FE-GL-BR141
VERIFY-5625	Fuel Economy	FE Label	LD-FE-GL-BR142
VERIFY-5626	Fuel Economy	FE Label	LD-FE-GL-BR143
VERIFY-11172	Fuel Economy	FE Label	LD-FE-GL-BR144
VERIFY-11347	Fuel Economy	FE Label	LD-FE-GL-BR145

VERIFY-11357	Fuel Economy	FE Label	LD-FE-GL-BR146
VERIFY-11404	Fuel Economy	FE Label	LD-FE-GL-BR147
VERIFY-11359	Fuel Economy	FE Label	LD-FE-GL-BR148
VERIFY-11360	Fuel Economy	FE Label	LD-FE-GL-BR149
VERIFY-11361	Fuel Economy	FE Label	LD-FE-GL-BR150
VERIFY-11362	Fuel Economy	FE Label	LD-FE-GL-BR151
VERIFY-11363	Fuel Economy	FE Label	LD-FE-GL-BR152
VERIFY-11364	Fuel Economy	FE Label	LD-FE-GL-BR153
VERIFY-11365	Fuel Economy	FE Label	LD-FE-GL-BR154
VERIFY-11366	Fuel Economy	FE Label	LD-FE-GL-BR155
VERIFY-11367	Fuel Economy	FE Label	LD-FE-GL-BR156
VERIFY-11369	Fuel Economy	FE Label	LD-FE-GL-BR158

VERIFY-11370	Fuel Economy	FE Label	LD-FE-GL-BR159
VERIFY-11371	Fuel Economy	FE Label	LD-FE-GL-BR160
VERIFY-11373	Fuel Economy	FE Label	LD-FE-GL-BR162
VERIFY-11374	Fuel Economy	FE Label	LD-FE-GL-BR163
VERIFY-11375	Fuel Economy	FE Label	LD-FE-GL-BR164
VERIFY-11376	Fuel Economy	FE Label	LD-FE-GL-BR165
VERIFY-11377	Fuel Economy	FE Label	LD-FE-GL-BR166
VERIFY-11378	Fuel Economy	FE Label	LD-FE-GL-BR167
VERIFY-11379	Fuel Economy	FE Label	LD-FE-GL-BR168
VERIFY-11380	Fuel Economy	FE Label	LD-FE-GL-BR169

VERIFY-11381	Fuel Economy	FE Label	LD-FE-GL-BR170
VERIFY-11382	Fuel Economy	FE Label	LD-FE-GL-BR171
VERIFY-11383	Fuel Economy	FE Label	LD-FE-GL-BR172
VERIFY-11384	Fuel Economy	FE Label	LD-FE-GL-BR173
VERIFY-11385	Fuel Economy	FE Label	LD-FE-GL-BR174
VERIFY-11388	Fuel Economy	FE Label	LD-FE-GL-BR176
VERIFY-11390	Fuel Economy	FE Label	LD-FE-GL-BR178
VERIFY-11392	Fuel Economy	FE Label	LD-FE-GL-BR180
VERIFY-11393	Fuel Economy	FE Label	LD-FE-GL-BR181
VERIFY-11394	Fuel Economy	FE Label	LD-FE-GL-BR182

VERIFY-11395	Fuel Economy	FE Label	LD-FE-GL-BR183
VERIFY-11396	Fuel Economy	FE Label	LD-FE-GL-BR184
VERIFY-11397	Fuel Economy	FE Label	LD-FE-GL-BR185
VERIFY-11398	Fuel Economy	FE Label	LD-FE-GL-BR186
VERIFY-11399	Fuel Economy	FE Label	LD-FE-GL-BR187
VERIFY-11400	Fuel Economy	FE Label	LD-FE-GL-BR188
VERIFY-11401	Fuel Economy	FE Label	LD-FE-GL-BR189
VERIFY-11402	Fuel Economy	FE Label	LD-FE-GL-BR190
VERIFY-11403	Fuel Economy	FE Label	LD-FE-GL-BR191
VERIFY-11430	Fuel Economy	FE Label	LD-FE-GL-BR192

VERIFY-11431	Fuel Economy	FE Label	LD-FE-GL-BR193
VERIFY-11432	Fuel Economy	FE Label	LD-FE-GL-BR194
VERIFY-11433	Fuel Economy	FE Label	LD-FE-GL-BR195
VERIFY-11434	Fuel Economy	FE Label	LD-FE-GL-BR196
VERIFY-11435	Fuel Economy	FE Label	LD-FE-GL-BR197
VERIFY-11826	Fuel Economy	FE Label	LD-FE-GL-BR198
VERIFY-11883	Fuel Economy	FE Label	LD-FE-GL-BR199
VERIFY-11884	Fuel Economy	FE Label	LD-FE-GL-BR200

VERIFY-12192	Fuel Economy	FE Label	LD-FE-GL-BR201
VERIFY-12193	Fuel Economy	FE Label	LD-FE-GL-BR202
VERIFY-12823	Fuel Economy	FE Label	LD-FE-GL-BR203
VERIFY-12866	Fuel Economy	FE Label	LD-FE-GL-BR204
VERIFY-12877	Fuel Economy	FE Label	LD-FE-GL-BR205
VERIFY-14843	Fuel Economy	FE Label	LD-FE-GL-BR206
VERIFY-10295	Fuel Economy	Footprint	LD-FE-FT-BR001
VERIFY-10296	Fuel Economy	Footprint	LD-FE-FT-BR002
VERIFY-10491	Fuel Economy	Footprint	LD-FE-FT-BR003

VERIFY-9915	Fuel Economy	Footprint	LD-FE-FT-BR004
VERIFY-9456	Fuel Economy	Footprint	LD-FE-FT-BR005
VERIFY-9454	Fuel Economy	Footprint	LD-FE-FT-BR006
VERIFY-9735	Fuel Economy	Footprint	LD-FE-FT-BR007
VERIFY-9740	Fuel Economy	Footprint	LD-FE-FT-BR008
VERIFY-10292	Fuel Economy	Footprint	LD-FE-FT-BR009
VERIFY-10293	Fuel Economy	Footprint	LD-FE-FT-BR010
VERIFY-10294	Fuel Economy	Footprint	LD-FE-FT-BR011
VERIFY-10492	Fuel Economy	Footprint	LD-FE-FT-BR012
VERIFY-10297	Fuel Economy	Footprint	LD-FE-FT-BR013
VERIFY-10298	Fuel Economy	Footprint	LD-FE-FT-BR014
VERIFY-10798	Fuel Economy	Footprint	LD-FE-FT-BR015
VERIFY-10829	Fuel Economy	Footprint	LD-FE-FT-BR016
VERIFY-17514	Fuel Economy	Footprint	LD-FE-FT-BR017

VERIFY-13927	Fuel Economy	Footprint	LD-FE-FT-BR018
VERIFY-4937	Fuel Economy	Road Load	LD-FE-RL-BR001
VERIFY-4938	Fuel Economy	Road Load	LD-FE-RL-BR002
VERIFY-4940	Fuel Economy	Road Load	LD-FE-RL-BR003
VERIFY-4941	Fuel Economy	Road Load	LD-FE-RL-BR004a
VERIFY-11576	Fuel Economy	Road Load	LD-FE-RL-BR004b
VERIFY-11577	Fuel Economy	Road Load	LD-FE-RL-BR005
VERIFY-11578	Fuel Economy	Road Load	LD-FE-RL-BR006
VERIFY-11579	Fuel Economy	Road Load	LD-FE-RL-BR007
VERIFY-11580	Fuel Economy	Road Load	LD-FE-RL-BR008
VERIFY-11583	Fuel Economy	Road Load	LD-FE-RL-BR009

VERIFY-11584	Fuel Economy	Road Load	LD-FE-RL-BR010
VERIFY-11585	Fuel Economy	Road Load	LD-FE-RL-BR011
VERIFY-11586	Fuel Economy	Road Load	LD-FE-RL-BR012
VERIFY-11587	Fuel Economy	Road Load	LD-FE-RL-BR013
VERIFY-11656	Fuel Economy	Road Load	LD-FE-RL-BR015
VERIFY-11667	Fuel Economy	Road Load	LD-FE-RL-BR016
VERIFY-12191	Fuel Economy	Road Load	LD-FE-RL-BR017
VERIFY-4724	IUVP	IUVP Test Information	LD-IUVP-IT-BR001a
VERIFY-4920	IUVP	IUVP Test Information	LD-IUVP-IT-BR001b
VERIFY-4584	IUVP	IUVP Test Information	LD-IUVP-IT-BR003a
VERIFY-4917	IUVP	IUVP Test Information	LD-IUVP-IT-BR003b

VERIFY-4932	IUVP	IUVP Test Information	LD-IUVP-IT-BR004a
VERIFY-4854	IUVP	IUVP Test Information	LD-IUVP-IT-BR004b
VERIFY-4735	IUVP	IUVP Test Information	LD-IUVP-IT-BR005a
VERIFY-4842	IUVP	IUVP Test Information	LD-IUVP-IT-BR005b
VERIFY-4630	IUVP	IUVP Test Information	LD-IUVP-IT-BR006a
VERIFY-4857	IUVP	IUVP Test Information	LD-IUVP-IT-BR006b
VERIFY-4817	IUVP	IUVP Test Information	LD-IUVP-IT-BR006c
VERIFY-4594	IUVP	IUVP Test Information	LD-IUVP-IT-BR007
VERIFY-4820	IUVP	IUVP Test Information	LD-IUVP-IT-BR008
VERIFY-4586	IUVP	IUVP Test Information	LD-IUVP-IT-BR009
VERIFY-4608	IUVP	IUVP Test Information	LD-IUVP-IT-BR010
VERIFY-4863	IUVP	IUVP Test Information	LD-IUVP-IT-BR011
VERIFY-4886	IUVP	IUVP Test Information	LD-IUVP-IT-BR012
VERIFY-4799	IUVP	IUVP Test Information	LD-IUVP-IT-BR013
VERIFY-4602	IUVP	IUVP Test Information	LD-IUVP-IT-BR014

VERIFY-4727	IUVP	IUVP Test Information	LD-IUVP-IT-BR015
VERIFY-4880	IUVP	IUVP Test Information	LD-IUVP-IT-BR016
VERIFY-4589	IUVP	IUVP Test Information	LD-IUVP-IT-BR017
VERIFY-4813	IUVP	IUVP Test Information	LD-IUVP-IT-BR018
VERIFY-4822	IUVP	IUVP Test Information	LD-IUVP-IT-BR019a
VERIFY-4572	IUVP	IUVP Test Information	LD-IUVP-IT-BR019b
VERIFY-4796	IUVP	IUVP Test Information	LD-IUVP-IT-BR020
VERIFY-4855	IUVP	IUVP Test Information	LD-IUVP-IT-BR021
VERIFY-4752	IUVP	IUVP Test Information	LD-IUVP-IT-BR022
VERIFY-4619	IUVP	IUVP Test Information	LD-IUVP-IT-BR023
VERIFY-12675	IUVP	IUVP Test Information	LD-IUVP-IT-BR024
VERIFY-12676	IUVP	IUVP Test Information	LD-IUVP-IT-BR025
VERIFY-12677	IUVP	IUVP Test Information	LD-IUVP-IT-BR026

VERIFY-16813	IUVP	IUVP Test Information	LD-IUVP-IT-BR027
VERIFY-16815	IUVP	IUVP Test Information	LD-IUVP-IT-BR028
VERIFY-16862	IUVP	IUVP Test Information	LD-IUVP-IT-BR029
VERIFY-4851	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR001a
VERIFY-4642	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR001b
VERIFY-4933	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR002
VERIFY-4918	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR003a
VERIFY-4859	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR003b
VERIFY-4905	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR004
VERIFY-4865	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR005

VERIFY-4600	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR006
VERIFY-4632	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR007
VERIFY-4576	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR008
VERIFY-4843	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR009
VERIFY-4838	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR010
VERIFY-4685	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR011
VERIFY-4749	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR012
VERIFY-4795	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR013a
VERIFY-4677	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR013b
VERIFY-4847	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR014
VERIFY-4629	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR015
VERIFY-4812	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR016
VERIFY-4598	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR017
VERIFY-4858	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR018
VERIFY-4848	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR019a
VERIFY-4747	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR019b
VERIFY-4666	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR020a

VERIFY-4900	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR020b
VERIFY-4593	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR021
VERIFY-4693	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR022
VERIFY-4808	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR023
VERIFY-4818	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR024a
VERIFY-4585	IUVP	IUVP Vehicle Information	LD-IUVP-IV-BR024b
VERIFY-22736		Test Information	LD-CTD-TI-BR092

Business Rule Text from Previous Release
Manufacturer Code (FP-1) must exist in the system.
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).
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).
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.
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.
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).
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).
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).
If Process Code (FP-0.5) equals 'N' (New), then Test Fuel Type (FP-4) must not equal '1' (Indolene 30), '6' (EPA Unleaded Gasoline), '7' (Industrial Unleaded 100 Octane), '8' (Number 1 Fuel Oil), '9' (Cert Diesel 300 ppm Sulfur), '10' (Natural Gas), '24' (Cold CO Regular [Cert]), or '25' (Cold CO Premium [Cert]).
If Test Category (TI-43) = 'CD' (Charge Depleting), then Certification Level (TI-39) is not to be calculated.

If Test Procedure (TI-8) is equal to "Charge Depleting UDDS" (Test Procedure Code = '81'), "Charge Depleting Highway" (Test Procedure Code = '84'), or "Charge Depleting US06" (Test Procedure Code = '83'), then Certification Disposition Code (TI-40) is not allowed (i.e. not calculated).
If Test Result/Emission Name (TI-19) is equal to "CREE" or "Opt-CREE", then Certification Disposition Code (TI-40) are not allowed (i.e. not calculated).
Manufacturer Code (TI-3) must exist in the system.
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.
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.
If Process Code (TI-0.5) 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.
If the submitter's Manufacturer Code (TI-3) is not equal to 'LOD' then LOD Test Number (TI-2) is not allowed.
Test Date (TI-6) must be earlier than or equal to the Submit Date (as determined by the system).
If the submitter's Manufacturer Code (TI-3) is equal to 'LOD' then Verify Test Lab ID (TI-7) is not allowed, otherwise it is required.
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.
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.
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.
The Test Result/Emission Name (TI-19) cannot contain 'CO-comp' (CO SFTP Composite) or 'HC-NM+NOx-comp' (NMHC+NOX SFTP Composite).

The Test Result/Emission Name (TI-19) cannot contain 'CO-comp' (CO SFTP Composite) or 'HC-NM+NOx-comp' (NMHC+NOX SFTP Composite).
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.
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is equal to '9' (Cert Diesel 300 ppm Sulfur), '18' (CARB Cert Diesel 7-15 ppm Sulfur), or '19' (Federal Cert Diesel 7-15 PPM Sulfur), and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is equal to '9' (Cert Diesel 300 ppm Sulfur), '18' (CARB Cert Diesel 7-15 ppm Sulfur), or '19' (Federal Cert Diesel 7-15 PPM Sulfur), and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).
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 el Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).

If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) equals '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), '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), or '61' (Tier 2 Unleaded) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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); and Fuel Batch Manufacturer Code (TI-16), Fuel Batch ID (TI-17), and Fuel Calibration Number (TI-18) are required and must specify a Fuel Properties submission in which the following fields exist: Fuel Specific Gravity (FP-13), Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14). (Please submit required Test Result/Emission Names)

If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) equals '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), '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), or '61' (Tier 2 Unleaded) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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); and Fuel Batch Manufacturer Code (TI-16), Fuel Batch ID (TI-17), and Fuel Calibration Number (TI-18) are required and must specify a Fuel Properties submission in which the following fields exist: Fuel Specific Gravity (FP-13), Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14). (Please submit required Test Result/Emission Names)

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).
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.
If Test Fuel Type (TI-9) is equal to '9' (Cert Diesel 300 ppm Sulfur), '18' (CARB Cert Diesel 7-15 ppm Sulfur), or '19' (Federal Cert Diesel 7-15 ppm Sulfur), then the Diesel Adjustment Factor Indicator (TI-18.5) is required, otherwise it is optional.
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.
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.
If Process Code (TI-0.5) is equal to 'N' (New) then Test Number (TI-1) is not allowed.
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.
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.
Each Test Result/Emission Name (TI-19) must be a unique value."
Each Test Result/Emission Name (TI-19) must be a unique value."
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.

If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No) and Test Procedure Code (TI-8) is equal to 90 (US06) or 95 (SC03), then at least one of the following options must be met: Option 1: 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). Option 2: The submission must either contain a NMOG+NOX emissions result (TI-19) or a NMOG emission result (TI-19) and a NOX emission result (TI-19).
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' (Manufacturer Fuel Economy) or 'FE BAG 1' (Bag 1 Fuel Economy) or 'FE BAG 2' (Bag 2 Fuel Economy) or 'FE BAG 3' (Bag 3 Fuel Economy) or 'FE BAG 4' (Bag 4 Fuel Economy), then Fuel Economy Value Unit (TI-20.5) is required, otherwise it is optional.
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 be equal to 'MPK'.
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.
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).
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).
If Retest Indicator (TI-22) is equal to 'Y' (Yes), then Retest Reason (TI-23) is required, otherwise it is not allowed.
For tests submitted by manufacturers, Retest Reason (TI-23) can only be equal to '1' (Failed(F)), '2' (Void (V)), or '3' (FE(FE)).
If Hybrid Indicator (VI-10.6) or Fuel Cell Indicator (VI-11.4) is equal to 'Y' (Yes), and, if Test Procedure (TI-8) is equal to 3 (HWFE), 90 (US06), 95 (SC03) or the following FTP Test Procedures (2, 21, 25, 31, 35, 41, or 45), then State of Charge Delta Indicator (TI-24) is required, otherwise it is optional.

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.
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.
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) is submitted then Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) must also be submitted.
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) is submitted then Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) must also be submitted.
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) is submitted then Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) must also be submitted.
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) is submitted then Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) must also be submitted.
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 3' (Bag 3 Fuel Economy) is submitted then Test Results with Test Result/Emission Names (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) and 'FE BAG 2' (Bag 2 Fuel Economy) must also be submitted.
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 3' (Bag 3 Fuel Economy) is submitted then Test Results with Test Result/Emission Names (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) and 'FE BAG 2' (Bag 2 Fuel Economy) must also be submitted.
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 4' (Bag 4 Fuel Economy) is submitted then Test Results with Test Result/Emission Names (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy), 'FE BAG 2' (Bag 2 Fuel Economy) and 'FE BAG 3'(Bag 3 Fuel Economy) must also be submitted.

If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 4' (Bag 4 Fuel Economy) is submitted then Test Results with Test Result/Emission Names (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy), 'FE BAG 2' (Bag 2 Fuel Economy) and 'FE BAG 3'(Bag 3 Fuel Economy) must also be submitted.
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.
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.
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").
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.
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.
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.
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.
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.
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).

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).
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.
If Test Category (TI-43) equals 'CD' (Charge Depleting) as determined by the Test Procedure (TI-8), then PHEV Test Information Data Elements from TI-18.1 to TI-18.7 are required, otherwise not allowed.
If Test Category (TI-43) equals 'CD' (Charge Depleting) as determined by the Test Procedure (TI-8), then PHEV Test Information Data Elements from TI-18.1 to TI-18.7 are required, otherwise not allowed.
Recharge Event Voltage (TI-18.3) must be between '100' and '500' volts.
If Original Manufacturer Verify Test Number That Was Confirmed (TI-18.9) is entered, then its' associated Mfr Code (TI-3), Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), Test Procedure (TI-8) and Test Fuel Type (TI-9) must match the same combination of data elements for the test being entered.
If a Test Result/Emission Name (TI-19) value of 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) is submitted, then Test Result/Emission Name (TI-19) values of 'HC-NM' (Non-methane Hydrocarbon), 'Methane' (Methane) and 'N2O' (Nitrous Oxide) are also required. Otherwise, they are optional.
If a Test Result/Emission Name (TI-19) value of 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) is submitted, then Test Result/Emission Name (TI-19) values of 'HC-NM' (Non-methane Hydrocarbon), 'Methane' (Methane) and 'N2O' (Nitrous Oxide) are also required. Otherwise, they are optional.

If Original Test Vehicle Model Year (VI-7) is greater or equal to 2012, and if any of the following are true: Test 5-Cycle Category (TI-45) is equal to 'FTP75' (Federal Test Procedure (75 °F), Test 5-Cycle Category (TI-45) is equal to 'HWY' (Highway NOx), Test Procedure (TI-8) is equal to '81' (Charge Depleting UDDS) or Test Procedure (TI-8) is equal to '84' (Charge Depleting Hwy), then at least one Test Result/Emission Name (TI-19) value of 'CREE' or 'OPT-CREE' is required, otherwise they are optional. Note - For charge depleting tests, 'CREE' or 'OPT-CREE' values for the entire test should be submitted in Bag/Phase #1.
If Original Test Vehicle Model Year (VI-7) is greater or equal to 2012, and if any of the following are true: Test 5-Cycle Category (TI-45) is equal to 'FTP75' (Federal Test Procedure (75 °F), Test 5-Cycle Category (TI-45) is equal to 'HWY' (Highway NOx), Test Procedure (TI-8) is equal to '81' (Charge Depleting UDDS) or Test Procedure (TI-8) is equal to '84' (Charge Depleting Hwy), then at least one Test Result/Emission Name (TI-19) value of 'CREE' or 'OPT-CREE' is required, otherwise they are optional. Note - For charge depleting tests, 'CREE' or 'OPT-CREE' values for the entire test should be submitted in Bag/Phase #1.
If Original Test Vehicle Model Year (VI-7) is greater or equal to 2012, and if any of the following are true: Test 5-Cycle Category (TI-45) is equal to 'FTP75' (Federal Test Procedure (75 °F), Test 5-Cycle Category (TI-45) is equal to 'HWY' (Highway NOx), Test Procedure (TI-8) is equal to '81' (Charge Depleting UDDS) or Test Procedure (TI-8) is equal to '84' (Charge Depleting Hwy), then at least one Test Result/Emission Name (TI-19) value of 'CREE' or 'OPT-CREE' is required, otherwise they are optional. Note - For charge depleting tests, 'CREE' or 'OPT-CREE' values for the entire test should be submitted in Bag/Phase #1.
If Test 5-Cycle Category (TI-45) is 'FTP75' or 'HWY' and if Test Result/Emission Name (TI-19) values of 'HC-NM' (Non-methane Hydrocarbon), 'METHANE' (CH4 - Methane) and 'N2O' (Nitrous Oxide) are submitted, then Unrounded Unadjusted OPT-CREE (TI-19.5) is required.
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes), then the Manufacturer Code (TI-3), Vehicle ID (TI-4) and the Vehicle Configuration Number (TI-5) must be identical to that of the Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6).

If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes), then the Fuel Batch Manufacturer Code (TI-16), the Fuel Batch ID (TI-17), and the Fuel Calibration Number (TI-18) must be identical to that of Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6).
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes), then Test Fuel Type (TI-9) must be identical to the Test Fuel Type of the Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6).
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes), then Test Procedure (TI-8) must be identical to the Test Procedure of the Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6).
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 1' (Bag 1 Carbon Dioxide) must also be submitted.
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 1' (Bag 1 Carbon Dioxide) must also be submitted.
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 2' (Bag 2 Carbon Dioxide) must also be submitted.
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 2' (Bag 2 Carbon Dioxide) must also be submitted.
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 3' (Bag 3 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 3' (Bag 3 Carbon Dioxide) must also be submitted.

If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 3' (Bag 3 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 3' (Bag 3 Carbon Dioxide) must also be submitted.
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 4' (Bag 4 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 4' (Bag 4 Carbon Dioxide) must also be submitted.
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 4' (Bag 4 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 4' (Bag 4 Carbon Dioxide) must also be submitted.
If the Process Code (TI-0.5) is equal to 'C' (Correction) and the Test Number (TI-1) indicates an EPA Confirmatory Test, then the only valid submitter is the EPA.
If Original Test Vehicle Model Year (VI-7) is 2011 or earlier and if Analytically-Derived FE Indicator (TI-13.5) is equal to 'Y' (Yes) and the Test Category (TI-43) is equal to 'FTP', 'HWY', 'US06' or 'SC03' (Test Procedures (TI-8) = 2, 3, 11, 16, 21, 25, 31, 35, 41, 45, 90, 95, 96), then one of the Test Results submitted must have a Test Result/Emission Name (TI-19) equal to 'MFR FE' (Manufacturer Fuel Economy).
If Analytically-Derived FE Indicator (TI-13.5) is equal to 'Y' (Yes), then the Test Category (TI-43) must be equal to 'FTP', 'HWY', 'US06' or 'SC03' (Test Procedures (TI-8) = 2, 3, 11, 16, 21, 25, 31, 35, 41, 45, 90, 95, 96).
If Original Test Vehicle Model Year (VI-7) is greater than '2014' and Test Category (TI-43) equals 'FTP' (Federal Test Procedure), 'US06' (US06), 'SC03' (SC03), 'HWY' (Highway NOx), or 'CD' (Charge Depleting), then Test Result/Emission Names (TI-19) of 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), 'DT-EER' (Drive Trace Energy Economy Rating) are required; otherwise, they are optional.

If Original Test Vehicle Model Year (VI-7) is greater than '2014' and Test Category (TI-43) equals 'FTP' (Federal Test Procedure), 'US06' (US06), 'SC03' (SC03), 'HWY' (Highway NOx), or 'CD' (Charge Depleting), then Test Result/Emission Names (TI-19) of 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), 'DT-EER' (Drive Trace Energy Economy Rating) are required; otherwise, they are optional.
If Test Result/Emission Name (TI-19) equals 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), or 'DT-EER' (Drive Trace Energy Economy Rating), then Unrounded Test Result (TI-20) must be greater than or equal to -99.99 and less than or equal to 99.99; otherwise, Unrounded Test Result (TI-20) must be greater than or equal to 0.
If Test Result/Emission Name (TI-19) equals 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), or 'DT-EER' (Drive Trace Energy Economy Rating), then Unrounded Test Result (TI-20) must be greater than or equal to -99.99 and less than or equal to 99.99; otherwise, Unrounded Test Result (TI-20) must be greater than or equal to 0.
A Test Fuel Type (TI-9) value of '8' (Number 1 Fuel Oil) is not currently supported in Verify.
If Process Code (TI-0.5) equals 'N' (New), then Test Fuel Type (TI-9) must not equal '1' (Indolene 30), '6' (EPA Unleaded Gasoline), '7' (Industrial Unleaded 100 Octane), '8' (Number 1 Fuel Oil), '9' (Cert Diesel 300 ppm Sulfur), '10' (Natural Gas), '24' (Cold CO Regular [Cert]), or '25' (Cold CO Premium [Cert]).
If Test Fuel Type (TI-9) equals '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), '48' (Tier 3 E10 Regular Gasoline), '49' (Tier 3 E10 Premium Gasoline), '58' (Tier 3 E10 Regular Gasoline [10 RVP-FFV ORVR Only]), or '59' (Tier 3 E10 Premium Gasoline [10 RVP-FFV ORVR Only]), and Test Procedure (TI-8) equals '23' (FED Fuel 2 Day Evap [Butane]), '27' (CA Fuel 2 Day Evap [Butane Load]), '32' (FED Fuel Running Loss), '34' (FED Fuel 3 Day Evap [Butane Load]), '37' (CA Fuel Running Loss), '38' (CA Fuel 3 Day Evap [Butane Load]), '43' (FED Fuel 2 Day Evap [Heat to Load]), or '47' (CA Fuel 2 Day Evap [Heat to Load]), then E10 Evaporative Test Measurement Method (TI-24.5) is required.
If the Manufacturer Code of the Submission Author Details does not equal 'LOD' or 'EPA', then E10 Evaporative Test Measurement Method (TI-24.5) must not equal 'FID-EPA' (Actual FID w/o Speciation [EPA Only]).

If the Manufacturer Code of the Submission Author Details equals 'LOD' or 'EPA', and E10 Evaporative Test Measurement Method (TI-24.5) does not equal 'FID-EPA' (Actual FID w/o Speciation [EPA Only]), then E10 Evaporative Test Measurement Method (TI-24.5) must match the E10 Evaporative Test Measurement Method (TI-24.5) having the same Test Procedure (TI-8) and Test Fuel Type (TI-9) as a test that was reported by the manufacturer in the active Decision Information submission for the vehicle.
If Test Procedure (TI-8) equals '65' (Evap Canister Bleed Test), '66' (Leak Test - Evap Fuel System OBD), '67' (Leak Test - Port Near Canister) or '68' (Leak Test - Port Near Fuel Pipe), then a Test Result/Emission Name (TI-19) equal to 'LEAK-DIA' (Effective Leak Diameter) must be included.
If Test Procedure (TI-8) equals '69' (Leak Test - Evap Gas Cap), then a Test Result/Emission Name (TI-19) equal to 'LEAK-GAS CAP' (Gas Cap Leakage) must be included.
If Test Procedure (TI-8) does not equal '2' (CVS 75 and Later [w/o Can. Load]), '21' (FED Fuel 2 Day Exh [Butane Load]), '25' (CA Fuel 2 Day Exh [Butane Load]), '31' (FED Fuel 3 Day Exh [Butane Load]), '35' (CA Fuel 3 Day Exh [Butane Load]), '41' (FED Fuel 2 Day Exh [Heat to Load]) or '45' (CA Fuel 2 Day Exh [Heat to Load]), then Test Result/Emission Name (TI-19) must not equal 'METHANE-COMB' (Combined CH4 for HD 2b/3 Vehicles Only) or 'N2O-COMB' (Combined Nitrous Oxide for HD 2b/3 Vehicles Only).
The selected value for Analytically Derived FE/CREE Equivalent Test Weight (ETW) (TI-13.8) is not a valid value.
The selected value for Fuel Economy Value Unit (TI-20.5) is not a valid value.
The selected value for Test Procedure (TI-8) is not a valid value.
The selected value for Retest Reason (TI-23) is not a valid value.
The selected value for Test Result/Emission Name (TI-19) is not a valid value.
If Drive Source (VI-10.5) is equal to 'Combustion Engine' and 'Electric Motor' then Hybrid Indicator (VI-10.6) equals "Yes", otherwise it equals "No".
Manufacturer Code (VI-1) must exist in the system.
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).

The Original Test Vehicle Model Year (VI-7) must match the model year embedded in the Original Test Group Name (VI-5).
The Original Test Vehicle Model Year (VI-7) must match the model year embedded in the Original Evaporative/Refueling Family Name (VI-6).
The Manufacturer Code (VI-1) must match the manufacturer code embedded in the Original Test Group Name (VI-5).
The Manufacturer Code (VI-1) must match the manufacturer code embedded in the Original Evaporative/Refueling Family Name (VI-6).
The displacement embedded in the Original Test Group Name (VI-5) must be a valid number.
The canister working capacity embedded in the Original Evaporative/Refueling Family Name (VI-6) must be a valid number.
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.
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.
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.
If Air Aspiration Method (VI-23) is equal to 'TC' (Turbocharged), 'SC' (Supercharged), 'TS' (Turbocharged and Supercharged) or 'OT' (Other), then Air Aspiration Device Configuration (VI-26) is required, otherwise it is not allowed.
If Air Aspiration Device Configuration (VI-26) is equal to 'N' (Single), then Number of Air Aspiration Devices (VI-25) must be 1.
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.
Equivalent Test Weight (VI-30) must be greater than Curb Weight (VI-29).
Gross Vehicle Weight Rating (VI-33) must be greater than Curb Weight (VI-29).
If Transmission Type (VI-36) is equal to 'OT' (Other), then Transmission Type Other Description (VI-37) is required.
If Transmission Type (VI-36) is equal to 'M' (Manual), then Transmission Lockup (VI-38) must be equal to 'N' (No).
If Creeper Gear (VI-39) is equal to 'Y' (Yes), then Transmission Type (VI-36) must be equal to 'M' (Manual).

If Transmission Type (VI-36) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (VI-40) must be equal to 1.
If Air Aspiration Method (VI-23) is not equal to 'NA' (Naturally Aspirated) then Charge Air Cooler Type (VI-27) is required.
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.
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.
If the Process Code (VI-0.5) is equal to 'N' (New) then the Vehicle Configuration Number (VI-3) is not allowed.
If the Process Code (VI-0.5) is equal to 'C' (Correction) then the Vehicle Configuration Number (VI-3) is required.
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).
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).
If Drive Source (VI-10.5) is equal to 'C' (Combustion Engine), then Fuel(s) (VI-11.1) can not equal 'EL' (Electricity).
If Drive Source (VI-10.5) is equal to 'E' (Electric Motor), then Fuel(s) (VI-11.1) must equal 'EL' (Electricity), 'H' (Hydrogen), or 'M' (Methanol).
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.
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.
If Drive Source (VI-10.5) equals 'C' (Combustion Engine) and more than one Fuel(s) (VI-11.1) selected is combustible (i.e., 'G' (Gasoline), 'D'(Diesel), 'M' (Methanol), 'E' (Ethanol), 'CNG' (Compressed Natural Gas), 'LNG' (Liquefied Natural Gas), or 'LPG' (Liquefied Petroleum Gas)), then Multiple Fuel Combustion - Separate Or Together (VI-11.3) is required, otherwise it is optional.
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.

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.
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.
If Rechargeable Energy Storage System (VI-11.6) equals 'OT' (Other), then the Rechargeable Energy Storage System, if 'Other' (VI-11.7) is required, otherwise it is optional.
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.
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.
The selected value for Fuel(s) (VI-11.1) is not a valid value.
The selected value for Rechargeable Energy Storage System (VI-11.6) is not a valid value.
The selected value for Equivalent Test Weight Value (VI-30) is not a valid value.
The selected value for Drive Source Identifier (VI-10.5) is not a valid value.
The selected value for Light Duty Transmission Type Identifier (VI-36) is not a valid value.
Each Fuel(s) (VI-11.1) may only be selected once per Drive Source (VI-10.5).
Manufacturer Code (DI-1) must exist in the system.
The Model Year (DI-5) must match the model year embedded in the Test Group (DI-7).
The Model Year (DI-5) must match the model year embedded in the Evaporative/Refueling Family (DI-8).
The Manufacturer Code (DI-1) must match the manufacturer code embedded in the Test Group (DI-7).
The Manufacturer Code (DI-1) must match the manufacturer code embedded in the Evaporative/Refueling Family (DI-8).
The displacement embedded in the Test Group (DI-7) must be a valid number.
The canister working capacity embedded in the Evaporative/Refueling Family (DI-8) must be a valid number.

If Process Code (DI-0.5) is equal to '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) and that is not in a state of 'Waived', 'Completed' or 'Deleted'.
If Process Code (DI-0.5) is equal to 'R' (Report) 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).
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).
At least one Federal Exhaust Emission Standard Level (DI-9) or California Exhaust Standard Emission Standard Level (DI-10) must be selected.
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.
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.
Test Number (DI-17.5) must exist in the system.
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.
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.
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.
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.
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).

If Test Number (DI-17.5) is valid, then the Manufacturer Code (TI-3), Vehicle ID (TI-4), and Vehicle Configuration Number (TI-5) combination for the test must be the same as the Decision Information combination (Manufacturer Code (DI-1), Vehicle ID (DI-3) and Vehicle Configuration Number (DI-4)) for which it was entered.
If Process Code (DI-0.5) equals 'N' (New), then the test represented by the Test Number (DI-17.5) cannot have a Test Fuel Type (TI-9) equal to '1' (Indolene 30), '6' (EPA Unleaded Gasoline), '7' (Industrial Unleaded 100 Octane), '8' (Number 1 Fuel Oil), '9' (Cert Diesel 300 ppm Sulfur), '10' (Natural Gas), '24' (Cold CO Regular [Cert]), or '25' (Cold CO Premium [Cert]).
If Model Year (DI-5) is greater than or equal to 2020, then Federal Exhaust Emission Standard Level (DI-9) cannot equal 'T3B110' (Federal Tier 3 Transitional Bin 110), 'T3B85' (Federal Tier 3 Transitional Bin 85), or 'T3SULEV30' (Federal Tier 3 Transitional LEV-II SULEV30 Carryover).
If Model Year (DI-5) is greater than or equal to 2022, then Federal Exhaust Emission Standard Level (DI-9) cannot equal 'HDV2B395' (Federal Tier 3 HD Class 2b Transitional Bin 395), 'HDV2B340' (Federal Tier 3 HD Class 2b Transitional Bin 340), 'HDV3B630' (Federal Tier 3 HD Class 3 Transitional Bin 630), or 'HDV3B570' (Federal Tier 3 HD Class 3 Transitional Bin 570).
If Model Year (DI-5) is greater than or equal to 2022, then Federal Evaporative Emission Standard Level (DI-11) cannot equal 'T3-3Z' [Federal Tier 3 LEV-III Zero Evap (Option 1) Carryover].
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).
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).
Manufacturer Code (SS-4) must exist in the system.
If Shift Action Code (SS-62) is equal to '99' (Alternative Shift Action), then Shift Point Screen (SS-63) is required.
If the Process Code (SS-0.5) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (SS-4) of the dataset for which the report was requested.

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.
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).
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).
The Shift Point (SS-59) must be specified for all the entries or none of them.
If Process Code (SI-0.5) is equal to '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) and for a Decision Information that is not in a state of 'Waived', 'Completed' or 'Deleted'.
If Process Code (SI-0.5) is equal to 'R' (Report) 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).
If Driver Selectable Transmission (SI-19) is equal to 'Y' (Yes), then Transmission Mode Tested Description (SI-20) is required.
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.
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).
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).
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.
If Engine Type (SI-10) is equal to 'Other' (99), then Test Vehicle Information Comments (SI-55) (i.e., 'Supplemental Information Comments' on the web screen) are required.

If Fuel (SI-56.5) is equal to 'D' (Diesel), then Upward Diesel Adjustment Factor (SI-93) is required.
If Fuel (SI-56.5) is equal to 'D' (Diesel), then Downward Diesel Adjustment Factor (SI-94) is required.
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.
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.
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) and that is not in a state of 'Waived', 'Completed' or 'Deleted'.
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) and for a Decision Information that is not in a state of 'Waived', 'Completed' or 'Deleted'.
Exhaust Certification/In-Use Code (SI-90) must equal 'C' (Certification).
Evaporative Certification/In-Use Code (SI-97) must equal 'C' (Certification).
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.
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.
If a Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) is equal to '2', '3', '11', '16', '21', '25', '90', '95', or '96' then at least one Exhaust Standard for the test procedure is required.
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.

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.
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.
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.
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.
The EPA Vehicle Class (SI-91) cannot be equal to 'LDVT' (LDV + LDT1) at the Exhaust Emission Standard Level.
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.
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.
The following values for Test Result/Emission Name (SI-59) are not allowed within the Exhaust Standards section: 'CREE' (Carbon-Related Exhaust Emissions), 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions), 'AMP-HRS' (Integrated Amp-hours), 'START-SOC' (System Start State of Charge Watt-hours), 'END-SOC' (System End State of Charge Watt-hours), 'ACT-DISTANCE' (Actual Distance Driven (miles)), 'AS-VOLT' (Average System Voltage), 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), and 'DT-EER' (Drive Trace Energy Economy Rating).
The following values for Test Result/Emission Name (SI-71) are not allowed within the Evaporative/Refueling Standards section: 'CREE' (Carbon-Related Exhaust Emissions), 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions), 'AMP-HRS' (Integrated Amp-hours), 'START-SOC' (System Start State of Charge Watt-hours), 'END-SOC' (System End State of Charge Watt-hours), 'ACT-DISTANCE' (Actual Distance Driven (miles)), 'AS-VOLT' (Average System Voltage), 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), and 'DT-EER' (Drive Trace Energy Economy Rating).

If the Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) equals '11' (Cold CO), then within the related Vehicle Information, Target Coefficient A (VI-41), Target Coefficient B (VI-42), Target Coefficient C (VI-43), Set Coefficient A (VI-44), Set Coefficient B (VI-45), and Set Coefficient C (VI-46) are required for the Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'Cold-CO' (Cold CO).
If the Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) equals '90' (US06), then within the related Vehicle Information, Target Coefficient A (VI-41), Target Coefficient B (VI-42), Target Coefficient C (VI-43), Set Coefficient A (VI-44), Set Coefficient B (VI-45), and Set Coefficient C (VI-46) are required for the Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'US06' (US06).
If the Test Category (TI-43) for the Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) equals 'FTP' (Test Procedure equal to '2', '21', '25', '31', '35', '41', '45', '51', or '52'), 'HWY' (Test Procedure equal to '3') or 'EVAP' (Test Procedure equal to '23', '27', '34', '38', '43', or '47'), then within the related Vehicle Information, Target Coefficient A (VI-41), Target Coefficient B (VI-42), Target Coefficient C (VI-43), Set Coefficient A (VI-44), Set Coefficient B (VI-45), and Set Coefficient C (VI-46) are required for the Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'C-H-E' (City/Highway/Evap).
If Primary Engine Cooling Fan Placement Code (SI-42) equals '20' (Road Speed Fan [width 31.5 in. x height 24 in.]), then Road Speed Fan Setup Specifications (SI-44.5) is required, otherwise it is not allowed.
If Model Year (SI-3.5) is greater than or equal to 2020, then Exhaust Emission Standard Level (SI-57A) must not equal 'T3B110' (Federal Tier 3 Transitional Bin 110), 'T3B85' (Federal Tier 3 Transitional Bin 85), or 'T3SULEV30' (Federal Tier 3 Transitional LEV-II SULEV30 Carryover).
If Model Year (SI-3.5) is greater than or equal to 2022, then Exhaust Emission Standard Level (SI-57A) must not equal 'HDV2B395' (Federal Tier 3 HD Class 2b Transitional Bin 395), 'HDV2B340' (Federal Tier 3 HD Class 2b Transitional Bin 340), 'HDV3B630' (Federal Tier 3 HD Class 3 Transitional Bin 630), or 'HDV3B570' (Federal Tier 3 HD Class 3 Transitional Bin 570).
If Model Year (SI-3.5) is greater than or equal to 2022, then Evaporative/Refueling Standard Level (SI-57B) must not equal 'T3-3Z' (Federal Tier 3 LEV-III Zero Evap [Option 1] Carryover).

If the Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) equals '9' (HWY80), '60' (AC17 - MANUAL A/C CONTROLS), '61' (AC17 - AUTOMATIC A/C CONTROLS), or '95' (SC03), then within the related Vehicle Information, Target Coefficient A (VI-41), Target Coefficient B (VI-42), Target Coefficient C (VI-43), Set Coefficient A (VI-44), Set Coefficient B (VI-45), and Set Coefficient C (VI-46) are required for the Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'C-H-E' (City/Highway/Evap).
The selected value for Fuel(s) (SI-56.5) under Exhaust Emissions Standards is not a valid value.
The selected value for Fuel(s) (SI-80) under Evaporative Emissions Standard is not a valid value.
The selected value for Test Procedure (SI-41.5) under Supplemental Test Procedures is not a valid value.
The selected value for Test Procedure (SI-92) under Exhaust Emissions Standard is not a valid value.
The selected value for Test Procedure (SI-98) under Exhaust Emissions Standard is not a valid value.
The selected value for Test Result (SI-59) under Exhaust Emissions Standard is not a valid value.
The selected value for Test Result (SI-71) under Exhaust Emissions Standard is not a valid value.
Manufacturer Code (CL-1) must exist in the system.
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).
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).
For any submission, the Division Code (CL-3) must already exist in the system.
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).
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.

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.
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.
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).
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.
If FE Label Carline Class Code (CL-5) is equal to '2' (Minicompact Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be less than 85.
If FE Label Carline Class Code (CL-5) is equal to '3' (Subcompact Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 85 and less than 100.
If FE Label Carline Class Code (CL-5) is equal to '4' (Compact Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 100 and less than 110.
If FE Label Carline Class Code (CL-5) is equal to '5' (Midsize Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 110 and less than 120.
If FE Label Carline Class Code (CL-5) is equal to '6' (Large Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 120.
If FE Label Carline Class Code (CL-5) is equal to '7' (Small Station Wagons), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be less than 130.
If FE Label Carline Class Code (CL-5) is equal to '8' (Midsize Station Wagons), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 130 and less than 160.

If FE Label Carline Class Code is equal to '9' (Large Station Wagons), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 160.
If FE LABEL Carline Class Code (CL-5) equals '2', '3','4', '5', '6', '7', '8', or '9', then at least one of the following conditions must be met: 1) both 2-Door Passenger Volume (CL-11) and 2-Door Luggage Volume (CL-12) must not be equal to zero or NULL; or 2) both 4-Door Passenger Volume (CL-13) and 4-Door Luggage Volume (CL-14) must not be equal to zero or NULL; or 3) both Hatchback Passenger Volume (CL-15) and Hatchback Luggage Volume (CL-16) must not be equal to zero or NULL.
If Model Year is less than or equal to '2012', then FE Label Carline Class Code (CL-5) cannot equal '30' (Small SUV 2WD), '31' (Small SUV 4WD), '32' (Standard SUV 2WD), or '33' (Standard SUV 4WD).
If Model Year is greater than or equal to '2013', then FE Label Carline Class Code (CL-5) cannot equal '22' (SUV 2WD) or '23' (SUV 4WD).
FE Label Carline Class Code (CL-5) is not allowed to equal '24' (Electric Vehicles).
Warning: FE Label Carline Class Code (CL-5) equals '17' (Special Purpose Vehicle 2WD) or '18' (Special Purpose Vehicle 4WD) or '19' (Special Purpose Vehicle Cab Chassis). These Carline class codes are only allowed with prior EPA approval.
If FE Label Carline Class Code (CL-5) is '7' (Small), '8' (Midsize), or '9' (Large Station Wagon), then Hatchback Passenger Volume (CL-15) and Hatchback Luggage Volume (CL-16) must be blank.
The selected value for FE Label Carline Class Code (CL-5) is not a valid value.
If Process Code (CR-0.5) is not equal to 'I' (Update Commerce Introduction Date), then a Test Group record must exist in the system for the same Test Group (CR-4) and Evaporative/Refueling Family Name (CR-5) and Model Year (CR-3).
If Process Code (CR-0.5) is equal to 'I' (Update Commerce Introduction Date), then a Test Group record must exist in the system for the same Test Group (CR-4) and Model Year (CR-3).
If Process Code (CR-0.5) is equal to 'I' (Update Commerce Introduction Date) then Commerce Introduction Date (CR-7) is required.

If Process Code (CR-0.5) is equal to 'N' (New) or 'L' (Lock) then Commerce Introduction Date (CR-7), Meet All Applicable Standards Indicator (CR-9), Meet All Applicable Requirements Indicator (CR-10), OBD System Approval Indicator (CR-11), CARB Executive Order Issued Indicator (CR-12), ORVR System Approval Indicator (CR-14), Compliance Fee Paid Indicator (CR-15), No Defeat Device Indicator (CR-16), CAP2000 Conditional Certificate (CR-17), ICI Certificate Indicator (CR-18), and Alternate Fuel Converter Indicator (CR-19) are required.
If Process Code (CR-0.5) is not equal to 'U' (Unlock) or 'L' (Lock), then Lock/Unlock Comment (CR-20) is not allowed.
If Process Code (CR-0.5) is equal to 'L' (Lock) then New Certificate Needed (CR-21) is required.
If CARB Executive Order Issued Indicator (CR-12) is equal to 'Y' (Yes) then CARB Executive Order Number (CR-13) is required.
There cannot be a pending certificate request for this Test Group (CR-4) and Evaporative/Refueling Family (CR-5) in the system. The certificate must either be issued or denied before a new certificate request with Process Code (CR-0.5) equal to 'N' (New) can be submitted.
This Test Group (CR-4) and Evaporative/Refueling Family (CR-5) combination has been marked as VOID. No new certificate requests with a Process Code (CR-0.5) of 'N' or a Revised Certificate Needed (CR-21) of 'Y' will be accepted.
This rule does not cause the transaction to be rejected. However, this certificate request has been denied since at least one of Meet All Applicable Standards Indicator (CR-9), Meet All Applicable Requirements Indicator (CR-10), OBD System Approval Indicator (CR-11), CARB Executive Order Issued Indicator (CR-12), ORVR System Approval Indicator (CR-14), or No Defeat Device Indicator (CR-16) is equal to 'N' (No).
When requesting a Certificate Request report Process Code (CR-0.5) equals 'R' (Report)), a Certificate Request record must exist with the same Test Group (CR-4), Evaporative/Refueling Family (CR-5), Model Year (CR-3), and Manufacturer Code (CR-1).
Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CR-1) of the submitted dataset.
Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CR-1) of the submitted dataset.
Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CR-1) of the submitted dataset.

The CSI report for this Test Group (CR-4) and Evaporative/Refueling Family (CR-5) combination shows failed tests.
An Application for Certification document must have been submitted for this Test Group.
If Process Code (CR-0.5) is equal to 'N' (New) or 'L' (Lock), the GHG Exempt Status (TG-216.7) is equal to 'NE' (Not Exempt) and Model Year (CR-3) is greater than or equal to '2012', then GHG Pre-Model Year Report Indicator (CR-22) is required, otherwise it is not allowed.
If HD/GHG Indicator (TG-6.5) is 'Y' (Yes), then an HD-GHG 2b/3 Pre-Model Year Report must have been submitted for this Model Year (CR-3).
If GHG Pre-Model Year Report Indicator (CR-22) is 'Y' (Yes), then an LD-GHG Pre-Model Year Report must have been submitted for this Model Year (CR-3).
If Process Code (CR-0.5) is equal to 'N' (New) or 'I' (Update Commerce Introduction Date), then Model Year (CR-3) is not allowed to be more than one year earlier than the current calendar year.
If Process Code (CR-0.5) is equal to 'L' (Lock Request) and the Model Year (CR-3) is more than one year earlier than the current calendar year, then New Certificate Needed (CR-21) must not equal 'Y' (Yes).
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).
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).
The Manufacturer Code embedded in the Evaporative/Refueling Family Name (EV-1) must match the Submitter's Manufacturer Code (in Submission Author Details).
The canister working capacity embedded in the Evaporative/Refueling Family (EV-1) must be a valid number.
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).
If Fuel Tank Material (EV-7) is equal to 'P' (Plastic) or 'OT' (Other) then Fuel Tank Material Description (EV-8) is required.
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.
If Number of Bleed Canisters (EV-15) is greater than '0' then Bleed Canister Total Working Capacity (EV-16) is required.

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.
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.
Manufacturer Code (EV-19) must exist in the system.
If the Process Code (EV-0.5) is 'C' (Correction) then there cannot be any locked and active Certificate Summary Information Reports (CSIs) which reference this Evaporative/Refueling Family Name (EV-1).
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).
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.
The selected value for Multiple Fuel Storage (EV-3.6) is not a valid value.
If Leak Family Indicator (EV-20) equals 'Y' (Yes), then Leak Family Identifier (EV-23) is required; otherwise, it is not allowed.
Leak Family Standard (EV-26) must be less than or equal to 0.040.
If Canister Bleed Test Indicator (EV-21) equals 'Y' (Yes), then Applicability of Evaporative Canister Bleed Test (EV-28) is required; otherwise, it is not allowed.
If CARB Fuel Only (Rig) Test Indicator (EV-22) equals 'Y' (Yes), then Applicability of CARB Fuel Only (Rig) Test (EV-30) is required; otherwise, it is not allowed.
The selected value for Fuel(s) (EV-3.5) is not a valid value.
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).
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).
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).
If CSI Type (TG-4) equals 'R' (Running Change) then Running Change Reference Number (TG-5) is required.

The Model Year (TG-6) must match the model year embedded in the Test Group Name (TG-2).
The Manufacturer Code (TG-1) must match the manufacturer code embedded in the Test Group (TG-2).
The displacement embedded in the Test Group (TG-2) must be a valid number.
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).
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.
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).
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).
The Vehicle Class (TG-205) cannot be equal to 'LDVT' (LDV + LDT1) at the Test Group Exhaust Emission Standard Level.
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).
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).
If Hybrid Type (TG-26) is equal to 'OT' (Other) then Hybrid Type Other Description (TG-27) must be present.
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.
If Engine Block Arrangement (TG-30) is equal to 'OT' (Other) then Engine Block Arrangement Description if Other (TG-31) is required.
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 Displacement (TG-38) and Air Aspiration Method (TG-47) are required.

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.
If Cylinder Deactivation (TG-39) is equal to 'Y' (Yes) then Cylinder Deactivation Description (TG-40) is required.
If Variable Valve Timing (TG-41) is equal to 'Y' (Yes) then Variable Valve Timing System Description (TG-42) is required.
If Variable Valve Lift (TG-43) is equal to 'Y' (Yes) then Variable Valve Lift System Description (TG-44) is required.
If Air Aspiration Device Method (TG-47) is equal to 'OT' (Other) then Air Aspiration Method If Other (TG-50) is required.
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.
If Substrate Construction (TG-60) is equal to 'OT' (Other) then Substrate Construction Other Description (TG-102) is required.
If Air Fuel Sensor Type (TG-63) is equal to 'OT' (Other) then Air Fuel Sensor Type Other (TG-64) is required.
If Energy Storage Device (TG-77) is equal to 'OT' (Other) then Energy Storage Device If Other (TG-78) is required.
A Capacitor Rating (TG-87) must be present for each capacitor identified in the Number of Capacitors (TG-86).
If Regenerative Braking Type (TG-90) is equal to 'OT' (Other) then Regenerative Braking Type Other Description (TG-91) is required.
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.
If Hybrid Type (TG-26) is equal to 'EM' (IC Engine/Electric Motor) then Number of Drive Motor Generators (TG-94) is required.
If Motor Generator Type (TG-95) is equal to 'OT' (Other) then Other Motor Generator Type Other Description (TG-96) is required.

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:
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.
The provided Evaporative Test Number(s) (TG-202) must exist in the system.
If SFTP Compliance Indicator (TG-216.8) is equal to 'Y' (Yes) and Test Group Fuel (TG-217.1) equals fuel other than 'EL' (Electricity) , 'H' (Hydrogen), 'HYD' (Hydraulic), then FTP Test Number (for SFTP Composite Calculation) (TG-217) is required.
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).
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).
If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) then the provided SC03 Test Number (TG-219) must exist in the system with a Test Category (TI-43) of 'SC03' (Test Procedures (TI-8) = 95).
If the SFTP Compliance Indicator (TG-216.8) is 'N' (No) then the SFTP CO Option (TG-216.9) must not be 'Y' (Yes).
If the SFTP Compliance Indicator (TG-216.8) is 'Y' (Yes) 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) or must identify a test that has 'NMOG+NOX' (Non-Methane Organic Gas + Nitrogen Oxides) (TI-19).
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) or must identify a test that has 'NMOG+NOX' (Non-Methane Organic Gas + Nitrogen Oxides) (TI-19).

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) or must identify a test that has 'NMOG+NOX' (Non-Methane Organic Gas + Nitrogen Oxides) (TI-19).
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).
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).
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).
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 + Nitrogen Oxides SFTP Composite) or 'NMOG+NOX-COMP' (Non-Methane Organic Gas + Nitrogen Oxides SFTP Composite).
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).
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).

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).

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).

If the SFTP LEV-III Compliance Indicator (TG-261) equals '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 Official SFTP LEV-III FTP Test Number (TG-263).

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).

If the Manufacturer Code (TG-300) of the owner of the 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.

If Transmission Type (TG-307) is equal to 'OT' (Other) then Other Transmission Type Description (TG-308) is required.

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.

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.

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.
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.
If Air Aspiration Device Configuration (TG-49) is equal to 'N' (Single), then Number of Air Aspiration Devices (TG-48) must be 1.
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).
If Fuel (TG-204) is equal to 'D' (Diesel), then Upward Diesel Adjustment Factor (TG-215.5) is required.
If Fuel (TG-204) is equal to 'D' (Diesel), then Downward Diesel Adjustment Factor (TG-215.6) is required.
The Manufacturer Code embedded in the Test Group Name (TG-2) must match the Submitter's Manufacturer Code (in Submission Author Details).
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).
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).
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).

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.
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.
If Air Aspiration Method (TG-47) is not equal to 'NA' (Naturally Aspirated) then Charge Air Cooler Type (TG-51) is required.
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).
The provided Exhaust Test Number(s) (TG-202.5) must exist in the system.
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.
The provided Evaporative/Refueling Family (TG-3) and Model Year (TG-6) must exist in the system for this Manufacturer Code (TG-1).
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.
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.

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.
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.
If Transmission Type (TG-307) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (TG-311) must equal '1'.
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.
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.
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.
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.
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).

If the Certification Region Code (TG-200) is 'FA' (Federal) and the Exhaust Emission Standard Level (TG-201) is not equal to 'OT' (Other), then the Exhaust Emission Standard Level (TG-201) should be a Federal Standard (B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, HDV1, HDV2, T1).
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)
Each Evaporative Family Name (TG-3) entered must be a unique value.
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).
If Drive Source (TG-7.1) equals "C" (Combustion Engine), then Fuel(s) (TG-7.3) can not equal "EL" (Electricity).
If Drive Source (TG-7.1) equals "E" (Electric Motor), Fuel(s) (TG-7.3) must equal "EL" (Electricity), "H" (Hydrogen), or "M" (Methanol).
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.
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.
All values for CREE Weighting Factor for Dual/Multiple Fuel Vehicles (TG-7.5) must sum to 1.
If Drive Source (TG-7.1) equals 'C' (Combustion Engine) and more than one fuel is selected for Fuel(s) (TG-7.3), then Multiple Fuel Storage - Separate Or Together (TG-7.6) is required, otherwise it is not allowed.
If Drive Source (TG-7.1) equals 'C' (Combustion Engine) and more than one fuel is selected for Fuel(s) (TG-7.3), then Multiple Fuel Storage - Separate Or Together (TG-7.6) is required, otherwise it is not allowed.

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)), then Multiple Fuel Combustion - Separate or Together (TG-7.7) is required. Otherwise, it is optional.
If Drive Source (TG-7.1) equals 'E' (Electric Motor), then Fuel Cell Indicator (TG-7.8) is required. Otherwise, it is optional.
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.
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.
If Drive Source (TG-7.1) equals 'E' (Electric Motor) then Rechargeable Energy Storage System (TG-77) is required, otherwise it is not allowed.
If Hybrid Indicator (TG-7.2) equals 'Y' (Yes), then Hybrid Type (TG-26) is required. Otherwise, not allowed.
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Engine Type (TG-28) is required.
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), or 'RT' (Rotary), then Engine Block Arrangement (TG-30) is required.
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), or 'RT' (Rotary), then Number of Cylinders/Rotors (TG-32) is required.
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Total Number Of After Treatment Devices(ATDs) (TG-53) is required. Otherwise, it is not allowed.
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), Battery Type (TG-79) is required. Otherwise not allowed.
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.
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Number Of Battery Packs (not cells) (TG-81) is required.
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Total Voltage Of Battery Pack(s) (TG-82) is required.

If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Battery Energy Capacity (TG-83) is required.
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Battery Specific Energy (TG-84) is required.
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Battery Charger Type (TG-85) is required.
If Rechargeable Energy Storage System (TG-77) equals 'C' (Capacitor), then Number Of Capacitors (TG-86) is required.
If Rechargeable Energy Storage System (TG-77) equals 'C' (Capacitor), then Capacitor Rating In Farads (TG-87) is required.
If Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes), then Fuel Cell Description (TG-98) is required; otherwise, it is not allowed.
If Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes), then Fuel Cell Description (TG-98) is required; otherwise, it is not allowed.
If Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes) and Fuel(s)(TG.7.3) equals 'H' (Hydrogen), then Fuel Cell On-Board H2 Storage Capacity (TG-99) is required, otherwise it is not allowed.
If Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes) and Fuel(s)(TG.7.3) equals 'H' (Hydrogen), then Fuel Cell On-Board H2 Storage Capacity (TG-99) is required, otherwise it is not allowed.
Official FTP Test Number (TG-217) must exist in Verify.
The Test 5-Cycle Category (TI-45) of the test entered in Official FTP Test Number (TG-217) must equal 'FTP75'.
If Hybrid Indicator (TG-7.2) equals 'Y' (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).
Official SC03 Test Number (TG-219) must exist in Verify.
The Test 5-Cycle Category (TI-45) of the test entered in Official SC03 Test Number (TG-219) must equal 'SC03'.
Official Cold CO Test Number must exist in Verify.
The Test 5-Cycle Category (TI-45) of the test entered in Official Cold CO Test Number (TG-219.1) must equal 'FTP20'.
Official Highway Test Number (TG-219.2) must exist in Verify.

The Test 5-Cycle Category (TI-45) of the test entered in Official Highway Test Number (TG-219.2) must equal 'HWY'.
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.
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.
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.
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.
Official US06 Test Number (TG-218) must exist in Verify.
The Test 5-Cycle Category (TI-45) of the test entered in Official US06 Test Number (TG-218) must equal 'US06'.
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.)

Each Test Group Fuel(s) (TG-217.1) selected for Official Test Numbers, must also be selected at least once for Fuel(s) (TG-7.3) for Drive Source. (Fuel \<value\> was selected for Official Test Numbers but not for Drive Source.)
The following values for Test Result/Emission Name (TG-225) are not allowed within the Evaporative Emission Standards section: 'AMP-HRS' (Integrated Amp-hours), 'START-SOC' (System Start State of Charge Watt-hours), 'END-SOC' (System End State of Charge Watt-hours), 'ACT-DISTANCE' (Actual Distance Driven (miles)), 'AS-VOLT' (Average System Voltage), 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), and 'DT-EER' (Drive Trace Energy Economy Rating).
If Drive Source (TG-7.1) only equals 'C' (Combustion Engine) and one of the selected values for Fuel(s) (TG-7.3) for that Drive Source equals 'Hyd' (Hydraulic), then Hybrid Indicator (TG-7.2) equals 'Yes'; otherwise, Hybrid Indicator (TG-7.2) should be 'N' (No).
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Camless Valvetrain Indicator (TG-32.5) is required.
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Oil Viscosity/Classification (TG-32.6) is required.
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Engine Rated Horsepower (TG-37) is required; otherwise it is not allowed.
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Engine Rated Horsepower (TG-37) is required; otherwise it is not allowed.
If Total Number of After Treatment Devices (ATDs) (TG-53) is not equal to '0', then ATD Number (TG-55) and ATD Type (TG-56) is required; otherwise, not allowed.
If ATD Type (TG-56) is not ('DPF' (Diesel Particulate Filter) or 'SCR' (Selective Catalytic Reduction)), then ATD Precious Metal Type (TG-57) is required.
If ATD Precious Metal Type (TG-57) is not 'OT' (Other), then Substrate Material (TG-59) and Substrate Construction (TG-60) is required.
If Drive Source (TG-7.1) is equal to 'C' (Combustion Engine), then Number of Air/Fuel Sensors (TG-61) is required. Otherwise, it is not allowed.
If Drive Source (TG-7.1) is equal to 'C' (Combustion Engine), then Number of Air/Fuel Sensors (TG-61) is required. Otherwise, it is not allowed.
If Number of Air/Fuel Sensors (TG-61) is not equal to '0' then Air/Fuel Sensor Type (TG-63) is required; otherwise, it is not allowed.

If Model Year (TG-6) is greater than or equal to '2012', then GHG Exempt Status (TG-216.7) is required. Otherwise, it is not allowed.
If Drive Source (TG-7.1) is equal to 'C' (Combustion Engine), then Number of Knock Sensors (TG-65) should be required; otherwise, it is not allowed.
If Drive Source (TG-7.1) is equal to 'C' (Combustion Engine), then Number of Knock Sensors (TG-65) should be required; otherwise, it is not allowed.
The following values for Test Result/Emission Name (TG-209) are not allowed within the Exhaust Emission Standards section: 'AMP-HRS' (Integrated Amp-hours), 'START-SOC' (System Start State of Charge Watt-hours), 'END-SOC' (System End State of Charge Watt-hours), 'ACT-DISTANCE' (Actual Distance Driven (miles)), 'AS-VOLT' (Average System Voltage), 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), and 'DT-EER' (Drive Trace Energy Economy Rating).
When requesting a CSI Report the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (TG-1) of the engine family for which the report was requested.
If Air Aspiration Method (TG-47) is not equal to 'NA' (Naturally Aspirated), then Number of Air Aspiration Devices (TG-48) and Air Aspiration Device Configuration (TG-49) are required.
If Hybrid Type (TG-26) is equal to 'EH' (IC Engine/Hydraulic), then Hydraulic System Description (TG-89) is required.
LD-CERT-TG-BR181 - The Number Of After Treatment Devices (ATDs) (TG-53) and the number of ATD data sets submitted must be equal.";
LD-CERT-TG-BR182 - The Number of Air/Fuel Sensors (TG-61) and the number of Air/Fuel Sensor Types submitted must be equal.
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 Highway Litmus Value (TG-219.4.1) is required, otherwise not allowed.

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 Highway Litmus Value (TG-219.4.1) is required, otherwise not allowed.
If the Official SC03 Test Number (TG-219) is not null (or blank) then Verify Calculated Rounded Adjusted Fuel Economy must be present for the test number entered. The test number specified for Official SC03 Test Number (TG-219) will need to be resubmitted to allow Verify to perform this calculation.
If Official Charge Depleting Highway Test Number (TG-219.4) is entered, then its associated Test Procedure (TI-8) must be equal to '84' (Charge Depleting Highway).
If Official Charge Depleting UDDS Test Number (TG-219.3) is entered, then its associated Test Procedure (TI-8) must be equal to '81' (Charge Depleting UDDS).
If GHG Exempt Status (TG-216.7) equals 'NE' (Not Exempt) and HD GHG 2b/3 Indicator (TG-6.5) equals 'N' (No), then a Test Result/Emission Name (TG-209) in the 'Exhaust Emission Standards' section equal to either 'CREE' (Carbon-Related Exhaust Emissions) or 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) must exist and is required to include either an Additive DF (TG-214) or a Multiplicative DF (TG-215), otherwise it is not allowed.
If the Model Year (TG-6) is greater than or equal to 2012 and if the Exhaust Test Number (TG-202.5) has a Test 5-Cycle Category (TI-45) of 'FTP75' or 'HWY', then that Exhaust Test Number (TG-202.5) must have a Rounded Adjusted CREE (TI-19.4) or Rounded Adjusted OPT-CREE (TI-19.8). The test number specified will need to be resubmitted to allow Verify to perform this calculation.
If there exists any Official Test Number(s), then each of the Test Number(s) must be entered as an Exhaust Test Number (TG-202.5).
If there exists any Charge Depleting Official Test Number(s), then each of the Test Number(s) must be entered as an Exhaust Test Number (TG-202.5).

The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official FTP Test Number (TG-217) must not equal 'Y'.
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official US06 Test Number (TG-218) must not equal 'Y'.
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official SC03 Test Number (TG-219) must not equal 'Y'.
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official Cold CO Test Number (TG-219.1) must not equal 'Y'.
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official Highway Test Number (TG-219.2) must not equal 'Y'.
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official Charge Depleting UDDS Test Number (TG-219.3) must not equal 'Y'.
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official Charge Depleting Highway Test Number (TG-219.4) must not equal 'Y'.
If Oil Viscosity/Classification (TG-32.6) contains "GF" then the minimum field length must be 6 characters. For example, an entry of "GF-4" would be rejected, however an entry of "GF-4 0W30" would not be rejected.
If Oil Viscosity/Classification (TG-32.6) contains 'GF', then the minimum field length must be 6 characters.
The minimum field length of Oil Viscosity/Classification (TG-32.6) must be 4 characters.
If Model Year (TG-6) is greater than or equal to '2014' and at least one EPA Vehicle Class (TG-16) equals 'HDV1' (HDV1 (Federal HD chassis Class 2b GVW 8501-10000)) or 'HDV2' (HDV2 (Federal HD chassis Class 3 GVW 10001-14000)), then HD GHG 2b/3 Indicator (TG-6.5) must equal 'Y' (Yes).
If HD GHG 2b/3 Indicator (TG-6.5) equals 'Y' (Yes), then at least one EPA Vehicle Class (TG-16) must equal 'HDV1' (HDV1 (Federal HD chassis Class 2b GVW 8501-10000)) or 'HDV2' (HDV2 (Federal HD chassis Class 3 GVW 10001-14000)).
If GHG Exempt Status (TG-216.7) equals 'NE' (Not Exempt) and HD GHG 2b/3 Indicator (TG-6.5) equals 'Y' (Yes), then a Test Result/Emission Name (TG-209) in the 'Exhaust Emission Standards' section equal to 'CO2' (Carbon Dioxide) must exist and is required to include either an Additive DF (TG-214) or a Multiplicative DF (TG-215), otherwise it is not allowed.

If HD GHG 2b/3 Indicator (TG-6.5) equals 'Y' (Yes), then a Test Result/Emission Name (TG-209) in the 'Exhaust Emission Standards' section equal to either 'CREE' (Carbon-Related Exhaust Emissions) or 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) must not exist.
If Model Year (TG-6) is greater than or equal to 2020, then Exhaust Emission Standard Level (TG-201) must not equal 'T3B110' (Federal Tier 3 Transitional Bin 110), 'T3B85' (Federal Tier 3 Transitional Bin 85), or 'T3SULEV30' (Federal Tier 3 Transitional LEVII-SULEV30 Carryover).
If Model Year (TG-6) is greater than or equal to 2022, then Exhaust Emission Standard Level (TG-201) must not equal 'HDV2B395' (Federal Tier 3 HD Class 2b Transitional Bin 395), 'HDV2B340' (Federal Tier 3 HD Class 2b Transitional Bin 340), 'HDV3B630' (Federal Tier 3 HD Class 3 Transitional Bin 630), or 'HDV3B570' (Federal Tier 3 HD Class 3 Transitional Bin 570).
If Model Year (TG-6) is greater than or equal to 2022, then Evaporative/Refueling Standard Level (TG-224) must not equal 'T3-3Z' (Federal Tier 3 LEV-III Zero Evap [Option 1] Carryover).
If SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes) and Test Group Fuel - SFTP LEV-III (TG-262) equals fuel other than 'EL' (Electricity) or 'HYD' (Hydraulic), then Official SFTP LEV-III FTP Test Number (TG-263) is required.
Each Test Group Fuel - SFTP LEV-III (TG-262) selected for Official Test Numbers, must also be selected at least once for Fuel(s) (TG-7.3) for Drive Source. (Fuel <value> was selected for Official Test Numbers but not for Drive Source.)
If there exists any Official SFTP LEV-III Test Number(s), then each of the Test Number(s) must be entered as an Exhaust Test Number (TG-202.5).
If SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the provided Official SFTP LEV-III FTP Test Number (TG-263) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).
If SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3) or SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then there must be at least one exhaust emission standard with the Test Result/Emission Name (TG-209) of 'NMOG+NOX-COMP' (Non-Methane Organic Gas + Nitrogen Oxides SFTP Composite).

If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then for each NMOG+NOX-COMP (Non-Methane Organic Gases + NOx SFTP Composite) emission standard, there must also be NOX (Nitrogen Oxides) exhaust emission standards with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the NMOG+NOX-COMP standard, and the same test procedure as the test identified by the Official FTP Test Number (TG-217).
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then for each NMOG+NOX-COMP (Non-Methane Organic Gases + NOx SFTP Composite) emission standard, there must also be an NMOG (Non-Methane Organic Gases) exhaust emission standard with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the NMOG+NOX-COMP standard, and the same test procedure as the test identified by the Official FTP Test Number (TG-217).
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then for each NMOG+NOX-COMP (Non-Methane Organic Gases + NOx SFTP Composite) emission standard, there must also be NOX (Nitrogen Oxides) exhaust emission standards with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the NMOG+NOX-COMP standard, and the same test procedure as the test identified by the Official SFTP LEV-III FTP Test Number (TG-263).
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then for each NMOG+NOX-COMP (Non-Methane Organic Gases + NOx SFTP Composite) emission standard, there must also be an NMOG (Non-Methane Organic Gases) exhaust emission standard with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the NMOG+NOX-COMP standard, and the same test procedure as the test identified by the Official SFTP LEV-III FTP Test Number (TG-263).
Official SFTP LEV-III FTP Test Number (TG-263) must exist in Verify.
The Test 5-Cycle Category (TI-45) of the test entered in Official SFTP LEV-III FTP Test Number (TG-263) must equal 'FTP75' (Test Procedures (TI-8) = 2, 21, 25, 31, 35, 41, and 45).
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III US06 Test Number (TG-264) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).
Official SFTP LEV-III US06 Test Number (TG-264) must exist in Verify.

The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official SFTP LEV-III FTP Test Number (TG-263) must not equal 'Y' (Yes).
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official SFTP LEV-III US06 Test Number (TG-264) must not equal 'Y' (Yes).
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official SFTP LEV-III SC03 Test Number (TG-265) must not equal 'Y' (Yes).
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the provided SC03 Test Number (TG-219) must exist in the system with a Test Category (TI-43) of 'SC03' (Test Procedure (TI-8) = 95).
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III SC03 Test Number (TG-265) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).
Official SFTP LEV-III SC03 Test Number (TG-265) must exist in Verify.
If Hybrid Indicator (TG-7.2) equals 'Y' (Yes), then Official SFTP LEV-III FTP Test Number (TG-263) cannot be 3-bag emission tests (Associated Test Result/Emission Name (TI-19) of 'FE Bag 3' present and 'FE Bag 4' not present).
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then the Official FTP Test Number (TG-217) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III FTP Test Number (TG-263) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then the Official US06 Test Number (TG-218) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).

If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III US06 Test Number (TG-264) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then the Official SC03 Test Number (TG-219) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III SC03 Test Number (TG-265) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).
If the Official SFTP LEV-III SC03 Test Number (TG-265) is not null (or blank) then Verify Calculated Rounded Adjusted Fuel Economy must be present for the test number entered. The test number specified for Official SFTP LEV-III SC03 Test Number (TG-265) will need to be resubmitted to allow Verify to perform this calculation.
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the provided Official SFTP LEV-III US06 Test Number (TG-264) must exist in the system with a Test Category (TI-43) of 'US06' (Test Procedures (TI-8) = 16, 90, and 96).
LD-CERT-TG-GBR001 - If no Drive Source (TG-7.1) equals 'C' (Combustion Engine) then Number of 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), Direct Ozone Reduction Device (TG-74), DOR Device Other Description (TG-75), Emission Control Device Comments (TG-76)) and Substrate Construction Other Description (TG-102) are not allowed.

LD-CERT-TG-GBR002 - If no Drive Source (TG-7.1) equals 'C' (Combustion Engine) then Hybrid Type (TG-26), Hybrid Type Description if Other (TG-27), Engine Type (TG-28), Engine Type Description (TG-29), Engine Block Arrangement (TG-30), Engine Block Arrangement Description if Other (TG-31), Number of Cylinders/Rotors (TG-32), Camless Valvetrain Indicator (TG-32.5), Oil Viscosity/Classification (TG-32.6), Engine Configuration Number (TG-36), Engine Rated Horsepower (TG-37), Engine Displacement (TG-38), Cylinder Deactivation (TG-39), Cylinder Deactivation Description (TG-40), Variable Valve Timing (TG-41), Variable Valve Timing System Description (TG-42), Variable Valve Lift (TG-43), Variable Valve Lift System Description (TG-44), Number of Inlet Valves per Cylinder (TG-45), Number of Exhaust Valves Per Cylinder (TG-46), Air Aspiration Method (TG-47), Number of Air Aspiration Devices (TG-48), Air Aspiration Device Configuration (TG-49), Air Aspiration Method Other (TG-50), Charge Air Cooler Type (TG-51), Engine Configuration Comments (TG-52), Number Air Fuel Sensors (TG-61), Air/Fuel Sensor Number (TG-62), 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) and Air Injection Other Description (TG-73) are not allowed.

LD-CERT-TG-GBR003 - If no Drive Source (TG-7.1) equals 'E' (Electric Motor) then Energy Storage Device (TG-77), Rechargeable Energy Storage Device Other Description (TG-78), Battery Type (TG-79), Other Battery Type Description (TG-80), 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),Number of Capacitors (TG-86), Capacitor Rating (TG-87), Capacitor Comments (TG-88), Hydraulic System Description (TG-89), Regenerative Braking Type (TG-90), Regenerative Braking Type Other Description (TG-91), Regenerative Braking Source (TG-92), Driver Controlled Regenerative Braking (TG-93), Number of Drive Motor Generators (TG-94), Motor Generator Type (TG-95), Other Motor Generator Type Other Description (TG-96), Rated Motor Generator Power (TG-97), Fuel Cell Description (TG-98), Fuel Cell On board H2 Storage Capacity (TG-99), Usable H2 Fill Capacity (TG-100) and HEV EV Comments (TG-101) are not allowed.

The selected value for Drive Source (TG-7.1) is not a valid value.

The selected value for Fuel(s) (TG-7.3) is not a valid value.

The selected value for Fuel(s) (TG-217.1) is not a valid value.
The selected value for Fuel(s) (TG-204) is not a valid value.
The selected value for Fuel(s) (TG-223) is not a valid value.
The selected value for Basic fuel metering system (TG-7.4) is not a valid value.
The selected value for GHG Exempt Status (TG-216.7) is not a valid value.
The maximum allowable value for CREE Weighting Factor For Dual/Multiple Fuel Vehicles (TG-7.5) is 1.0.
The maximum allowable value for Durability Group Equivalency Factor (TG-13) is 5.0.
Each Fuel(s) (TG-7.3) may only be selected once per Drive Source (TG-7.1).
If Process Code (CA-3) is equal to 'R' (Report) or 'C' (Correction), then a record must exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).
If Process Code (CA-3) is equal to 'R' (Report) or 'C' (Correction), then a record must exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).
If Process Code (CA-3) is equal to 'N' (New), then a record must not exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).
If Model Year (CA-1) is greater or equal to 2011, then CAFE Standard Type (CA-10) is required to equal 'R' (Reformed CAFE).
A Fuel Economy Label must exist in the system for the Model Type Index (CA-25), Carline Manufacturer Code (CA-25.1), and Model Year (CA-1).
Test Number (CA-35) must exist in Test Information (TI-1).
If Subconfiguration Index (CA-29.5) is between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration, then Test Number (CA-35) is required, otherwise it is not allowed.
If Subconfiguration Index (CA-29.5) is between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration, then Test Number (CA-35) is required, otherwise it is not allowed.
The Test 5-Cycle Category (TI-45) for this Test Number (CA-35) must be equal to 'FTP75' (Test Procedure equal to '2', '21', '25', '31', '35', '41', '45'), or 'HWY' (Test Procedure equal to '3'), or the Test Procedure must be equal to '81' (Charge Depleting UDDS) or '84' (Charge Depleting Highway).

If Averaging Method (CA-40) is equal to 'N' (No Averaging), then Averaging Group Indicator (CA-41) must not be present.
If Averaging Method (CA-40) is not equal to 'N' (No Averaging), then Averaging Weighting Factor (CA-42) is required.
If the Process Code (CA-3) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CA-0) of the dataset for which the report was requested.
If the Process Code (CA-3) is equal to 'N' (New) or 'C' (Correction), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CA-0) of the submitted dataset.
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) and CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Trucks), then Manufacturer Calculated Unrounded Reformed Truck CAFE Standard (CA-22.3) is required, otherwise it is not allowed.
The Fuel Usage for the Test Number (CA-35) must be the same as one of the Fuel Usages (GL-89) for the Label.
Manufacturer Code (CA-0) must exist in the system.
Manufacturer Code (CA-0) must exist in the system.
Manufacturer Code (CA-0) must exist in the system.
Each Base Level within a Model Type must have a unique Inertia Weight Class (CA-25.6).
Each Configuration within a Base Level must have a unique Configuration Index Number (CA-26).
Each SubConfiguration within a Configuration must have a unique SubConfiguration Index Number (CA-29.5).
Each Configuration within a Base Level must be a unique combination of Engine Code (CA-28), Axle Ratio (CA-29), and Transmission Configuration Code (CA-27).
Each SubConfiguration within a Configuration must be a unique combination of Equivalent Test Weight (CA-31) and Road Load Horsepower (CA-30).
If the Carline Manufacturer Code (CA-25.1) of the Model Type is different than the Submitter's Manufacturer Code (in Submission Author Details), then permission must be granted by the Carline Manufacturer for the Submitting Manufacturer to use the Carline associated with the FE Label submission referenced by the combination of Model Year (CA-1), Carline Mfr Code (CA-25.1), and Model Type Index (CA-25).

If Model Year (CA-1) is greater than or equal to 2012, and GHG Calculation Method (CA-128) is equal to 'OPT-CREE' (Opt-CREE) then Opt-CREE N2O Default Indicator (CA-129) is required. Otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012, then GHG Exempt Indicator (CA-127) is required. Otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012, then GHG Calculation Method (CA-128) is required. Otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Official Model Year GHG Production Units (CA-132) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Official Model Year Truck CAFE Production Units (CA-50) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Model Year Domestic Passenger Vehicle CAFE Production Units (CA-51) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Model Year Import Passenger Vehicle CAFE Production Units (CA-52) is required. Otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Baseline Average GHG Unrounded 4 Decimal (CA-138) is required. Otherwise it is optional.
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Baseline Average GHG TLAAS Unrounded 4 Decimal (CA-139) is required. Otherwise it is optional.
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Baseline Truck CAFE Unrounded 4 Decimal (CA-56) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Domestic Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-57) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Import Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-58) is required. Otherwise it is optional.

If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Baseline Average GHG Rounded Whole Number (CA-140) is required. Otherwise it is optional.
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Baseline Average GHG TLAAS Rounded Whole Number (CA-141) is required. Otherwise it is optional.
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Baseline Truck CAFE Rounded 1 Decimal (CA-62) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Domestic Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-64) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Import Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-65) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Domestic Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-68) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Import Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-69) is required. Otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Final Average GHG Unrounded 4 Decimal (CA-146) is required. Otherwise it is optional.
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Final Average GHG TLAAS Unrounded 4 Decimal (CA-147) is required. Otherwise it is optional.
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Final Truck CAFE Unrounded 4 Decimal (CA-72) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Domestic Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-73) is required. Otherwise it is optional.

If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Import Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-74) is required. Otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Final Average GHG Rounded Whole Number (CA-148) is required. Otherwise it is optional.
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Final Average GHG TLAAS Rounded Whole Number (CA-149) is required. Otherwise it is optional.
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Final Truck CAFE Rounded 1 Decimal (CA-150) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Domestic Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-80) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Import Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-81) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Domestic Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-84) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Import Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-85) is required. Otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Official Average GHG Grams Per Mile (CA-153) is required. Otherwise it is optional.
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Official Average GHG TLAAS Grams Per Mile (CA-154) is required. Otherwise it is optional.
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Official Truck CAFE Miles Per Gallon (CA-88) is required. Otherwise it is optional.

If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Domestic Passenger Vehicle CAFE Miles Per Gallon (CA-89) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Import Passenger Vehicle CAFE Miles Per Gallon (CA-90) is required. Otherwise it is optional.
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then CAFE Domestic/Import Indicator (CA-155) is required. Otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012 and Model Year (CA-1) is less than or equal to 2016, then GHG TLAAS Indicator (CA-156) is required, otherwise it is not allowed.
If Model Year (CA-1) is greater than or equal to 2012 and Model Year (CA-1) is less than or equal to 2016, then GHG TLAAS Indicator (CA-156) is required, otherwise it is not allowed.
If Model Year (CA-1) is greater than or equal to 2012, then Footprint Final Model Year GHG Production Units (CA-158) is required. Otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Subconfiguration Final Model Year GHG Production Units (CA-193) is required. Otherwise it is optional.
If Model Year (CA-1) greater than or equal to 2011, then Averaging Method (CA-40) cannot be 'S' (Simple Averaging).
If CAFE Standard Type (CA-10) is equal to 'R', then Carline Manufacturer Code (CA-11.5) is required. Otherwise it is optional.
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) then Division Code (CA-12) is required. Otherwise it is optional.
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) then Carline Code (CA-13) is required. Otherwise it is optional.
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) then Footprint Index (CA-14.5) is required. Otherwise it is optional.
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) then Footprint Final Model Year Production Units (CA-20) is required, otherwise it is optional.
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Unrounded GHG Standard (CA-160) is required. Otherwise it is optional.

If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Official Model Year GHG TLAAS Production Units (CA-133) is required. Otherwise it is optional.

If Footprint Index (CA-14.5) is provided in a CAFE submission then the Footprint Index (CA-14.5) must exist in the system for this Model Year (CA-1), Carline Manufacturer Code (CA-11.5), Division Code (CA-12) and Carline Code (CA-13).

If GHG Calculation Method (CA-128) is equal to 'OPT-CREE' and if Test Procedure (TI-8) does not equal to '81' (Charge Depleting UDDS) or '84' (Charge Depleting Hwy), then Rounded Adjusted OPT-CREE (TI-19.8) must exist.

If GHG Calculation Method (CA-128) is equal to 'OPT-CREE' and if Test Procedure (TI-8) does not equal to '81' (Charge Depleting UDDS) or '84' (Charge Depleting Hwy), then Test Result/Emission Name (TI-19) equal to 'OPT-CREE' must exist.

If a CAFE/GHG submission already exists in Verify for the same manufacturer and model year (but for a different CAFE/GHG Compliance Category (CA-4)), then GHG Calculation Method (CA-128) must be identical to the one already submitted.

If Footprint Index (CA-14.5) is provided and the Manufacturer Code of the Submission Author Details is not the same as the Carline Manufacturer Code (CA-11.5), then the submitting manufacturer must have permission to use the Carline derived from the Model Year (CA-1), Carline Manufacturer Code (CA-11.5), Division Code (CA-12) and Carline Code (CA-13).

Test Numbers (CA-35) with the following Test Fuel Types are not allowed for CAFE (Test Fuel Type (TI-9) : 8, 10, 24, 25, 26, 27, 31, 32, 33, 36, 45, 71).

If a subconfiguration contains a Test Number (CA-35) and the corresponding FE Label contains a Drive Source (GL-13.5.1) equal to 'C' (Combustion Engine), then within that subconfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (CA-41) must contain at least one test with a 5-Cycle Test Category (TI-45) equal to 'FTP75' (Test Procedure equal to 2, 21, 25, 31, 35, 41, or 45).

If a subconfiguration contains a Test Number (CA-35) and the corresponding FE Label contains a Drive Source (GL-13.5.1) equal to 'C' (Combustion Engine), then within that subconfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (CA-41) must contain at least one test with a 5-Cycle Test Category (TI-45) equal to 'HWY' (Test Procedure equal to 3).

Carline Code (CA-126) must exist in Verify for the Carline Manufacturer Code (CA-124), Division Code (CA-125), and Model Year (CA-1).
The combination of the Carline Manufacturer Code (GL-10), Division Code (GL-11), and Carline Code (GL-12) of the FE Label associated with the Model Type Index (CA-25) and Carline Manufacturer Code (CA-25.1) must match at least one combination of Carline Manufacturer Code (CA-124), Division Code (CA-125) and Carline Code (CA-126) in the repeated subconfiguration sales information within that Model Type.
Test Group (CA-34) must exist in Verify as a certified Test Group.
Each Base Level must contain at least one configuration with a Configuration Index (CA-26) between 1 and 499 (inclusive), indicating that it is a 'tested' configuration.
If a Configuration Index (CA-26) is between 1 and 499 (inclusive) indicating that it is a 'tested' configuration, then that configuration must contain at least one subconfiguration with a Subconfiguration Index (CA-29.5) between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration.
If a Configuration Index (CA-26) is between 500 and 999 (inclusive) indicating that it is an 'untested' configuration, then all subconfigurations contained within that configuration must have a Subconfiguration Index (CA-29.5) between 50 and 99 (inclusive) indicating that they are 'untested' subconfigurations.
The same Test Number (CA-35) may not be used multiple times within a subconfiguration.
If Test Number (CA-35) is present, then the associated test must have a Verify-calculated Rounded Adjusted Fuel Economy (RAFE) value. This test must be re-submitted to the Test Information module so that it can be calculated.
Each test within a subconfiguration must have the same Averaging Method (CA-40).
If Averaging Method (CA-40) is equal to 'N' (No averaging), then Averaging Weighting Factor (CA-42) is not allowed.
If Averaging Method (CA-40) is not equal to 'N' (No averaging), meaning that averaging is used, then Averaging Group Indicator (CA-41) is required, otherwise it is optional.
Within a Subconfiguration, if Averaging Method (CA-40) is not equal to 'N' (No averaging), meaning that averaging is used, then all tests that have the same combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (CA-41) must have the same Averaging Weighting Factor (CA-42).

Within a Subconfiguration, if Averaging Method (CA-40) is not equal to 'N' (No averaging), meaning that averaging is used, then all tests that have the same Averaging Group Indicator (CA-41) and unique combinations of Vehicle ID (TI-4) and Vehicle Configuration Number (TI-5) must have Averaging Weighting Factors (CA-42) that add up to exactly 1.00.

If the Manufacturer Code of the owner of the Test Number (CA-35) 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 Test Number.

If the Total Road Load Horsepower (CA-30) is not equal to the tested vehicle's EPA-Calculated Total Road Load Horsepower (VI-43.5), or the Equivalent Test Weight (ETW) (CA-31) is not equal to the tested vehicle's ETW (VI-30), or the Axle Ratio (CA-29) is not equal to the tested vehicle's Axle Ratio (VI-35), then either the Data Substitution Indicator (CA-39) must be equal to 'Y' (Yes), or the Analytically-Derived FE / CREE Indicator (TI-13.5) of the Test Number (CA-35) must be equal to 'Y' (Yes), or both.

If Equivalent Test Weight (ETW) (CA-31) is equal to '1000' or '1125', then Inertia Weight Class (CA-25.6) must be equal to '1000'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '1250' or '1375', then Inertia Weight Class (CA-25.6) must be equal to '1250'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '1500' or '1625', then Inertia Weight Class (CA-25.6) must be equal to '1500'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '1750' or '1875', then Inertia Weight Class (CA-25.6) must be equal to '1750'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '2000' or '2125', then Inertia Weight Class (CA-25.6) must be equal to '2000'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '2250' or '2375', then Inertia Weight Class (CA-25.6) must be equal to '2250'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '2500' or '2625', then Inertia Weight Class (CA-25.6) must be equal to '2500'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '2750' or '2875', then Inertia Weight Class (CA-25.6) must be equal to '2750'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '3000', '3125', or '3250', then Inertia Weight Class (CA-25.6) must be equal to '3000'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '3375', '3500', '3625', or '3750', then Inertia Weight Class (CA-25.6) must be equal to '3500'.

If Equivalent Test Weight (ETW) (CA-31) is equal to '3875', '4000' or '4250', then Inertia Weight Class (CA-25.6) must be equal to '4000'.
If Equivalent Test Weight (ETW) (CA-31) is equal to '4500 or 4750', then Inertia Weight Class (CA-25.6) must be equal to '4500'.
If Equivalent Test Weight (ETW) (CA-31) is equal to '5000' or '5250', then Inertia Weight Class (CA-25.6) must be equal to '5000'.
If Equivalent Test Weight (ETW) (CA-31) is greater than or equal to '5500', then Inertia Weight Class (CA-25.6) must be equal to Equivalent Test Weight (ETW) (CA-31).
If the Manufacturer Code of the owner of the Test Group (CA-34) 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 Test Group.
The combination of Carline Manufacturer Code (CA-124), Division Code (CA-125), Carline Code (CA-126), Transmission Type (GL-67), Transmission Lockup (GL-69), Transmission Creeper Gear (GL-70), Total Number of Transmission Gears (GL-71), and Drive System (GL-72) must exist as a certified model in the Test Group dataset (TG) for the Test Group (CA-34).
If the label associated with the Model Type Index (CA-25) has an Engine Configuration Number (GL-25) provided, then the Displacement (VI-22) (rounded to a tenth) of the Test Vehicle associated with the Test Number (CA-35), must be the same as the label Engine Displacement (GL-26) (rounded to a tenth) associated with the Model Type Index (CA-25).
If the label associated with the Model Type Index (CA-25) has an Engine Configuration Number (GL-25) provided, then the Air Aspiration Method (VI-23) of the Test Vehicle associated with the Test Number (CA-35), must be the same as the label Air Aspiration Method (GL-35) associated with the Model Type Index (CA-25).
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) and CAFE/GHG Compliance Category (CA-4) is equal to 'PV' (Passenger Vehicles), then Manufacturer Calculated Unrounded Reformed Domestic Passenger Vehicle CAFE Standard (CA-199) is required, otherwise it is not allowed.

If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) and CAFE/GHG Compliance Category (CA-4) is equal to 'PV' (Passenger Vehicles), then Manufacturer Calculated Unrounded Reformed Import Passenger Vehicle CAFE Standard (CA-203) is required, otherwise it is not allowed.

If the Manufacturer Code (CA-124) of the owner of the Subconfiguration 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.

The combination of Carline Manufacturer Code (CA-11.5), Division Code (CA-12), and Carline Code (CA-13) of a CAFE Footprint must match the Carline Manufacturer Code (GL-10), Division Code (GL-11), and Carline Code (GL-12) of an FE Label associated with a Model Type Index (CA-25) and Carline Manufacturer Code (CA-25.1) in the CAFE submission.

If Test Number (CA-35) is present and the Model Year (CA-1) of the CAFE submission is greater than or equal to 2012, then the associated test must have a Verify-calculated Rounded Adjusted CREE (TI-19.4) value. This test must be re-submitted to the Test Information module so that it can be calculated.

If the Analytically-Derived FE / CREE Indicator (TI-13.5) of the Test Number (CA-35) is equal to 'N' (No) and at least one of the following is true:
1) Total Road Load Horsepower (CA-30) is greater than the tested vehicle's EPA-Calculated Total Road Load Horsepower (VI-43.5), or
2) Equivalent Test Weight (ETW) (CA-31) is greater than the tested vehicle's ETW (VI-30), or
3) Axle Ratio (CA-29) is greater than the tested vehicle's Axle Ratio (VI-35),
then N/V Ratio (CA-228) is required. Otherwise, it is optional.

The Official Manufacturer Contact (CA-227) must exist in Verify and must be assigned to the 'Light-Duty Vehicle & Truck' industry and the 'Fuel Economy - CAFE' compliance program.

The Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CA-0) of the dataset for which the final status is being updated.

If CAFE/GHG Final Status Indicator (CA-4.5) equals 'Y' (Yes), then the CAFE submission in Verify with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1) must have all EPA calculations successfully completed.

If CAFE/GHG Final Status Indicator (CA-4.5) equals 'Y' (Yes), then Model Year (CA-1) must be 2012 or later.
If CAFE/GHG Final Status Indicator (CA-4.5) equals 'Y' (Yes), then a CAFE submission must exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).
If Process Code (CA-3) equals 'N' (New) or 'C' (Correction), then Model Year (CA-1) must be 2012 or later.
If Process Code (GL-0.5) equals 'R' (Report) or 'C' (Correction), then a record must already exist in the system with the same Model Type Index (GL-1), Manufacturer Code (GL-2), and Model Year (GL-3).
If Process Code (GL-0.5) equals 'R' (Report) or 'C' (Correction), then a record must already exist in the system with the same Model Type Index (GL-1), Manufacturer Code (GL-2), and Model Year (GL-3).
If Process Code (GL-0.5) equals 'N' (New), then a record must not exist in the system with the same Model Type Index (GL-1), Manufacturer Code (GL-2), and Model Year (GL-3).
The Submitter's Manufacturer Code (in Submission Author Details) must match the Carline Manufacturer Code (GL-10).
The combination of Model Year (GL-3), Carline Manufacturer Code (GL-10), Division Code (GL-11) and Carline Code (GL-12) must exist in the system as a certified model.
If Process Code (GL-0.5) is equal to 'C' (Correction), then Manufacturer FE Label Comments (GL-4) is required; otherwise, it is optional.
The combination of Test Group (GL-13.5) and Engine Configuration (GL-25), if provided, must exist in the system as Test Group Information.
Shift Indicator Light (GL-74) can only be equal to 'Y' (Yes) when Transmission Type (GL-67) is equal to 'M' (Manual), 'AM' (Automated Manual) or 'OT' (Other).
If Fuel Economy Label Calculation Approach (GL-79) is equal to 'EV' (Electric Vehicle label), then Drive Source (TG-7) must equal 'E' (Electric motor).
If Process Code (GL-0.5) is equal to 'N' (New), then Label Recalculation (GL-87) must equal 'N' (No), if present.
If Process Code (GL-0.5) is equal to 'C' (Correction), then Label Recalculation (GL-87) is required.
If Process Code (GL-0.5) is equal to 'N' (New), then Re-label (GL-88) must not be present.

If Label Recalculation (GL-87) is equal to 'Y' (Yes), then Re-label (GL-88) is required; otherwise, it must not be present.
Only one Fuel Usage (GL-89) can begin with 'G' (for Gasoline).
Only one Fuel Usage (GL-89) can begin with 'D' (for Diesel).
If Fuel Usage (GL-89) is equal to 'E' (Ethanol) or one of the Fuel Usage Types that begins with 'G' (Gasoline), then Maximum Ethanol Percentage (GL-104) is required; otherwise, it is not allowed.
If Fuel Usage (GL-89) is equal to 'DU' (Diesel, ultra low sulfur (15 ppm maximum)), then Maximum Bio-diesel Percentage (GL-105) is required; otherwise, it is not allowed.
Test Group (GL-126) must exist in the system with the same Model Year (TG-6) as the Model Year (GL-3) of the submission.
Test Number (GL-127) must exist in Test Information (TI-1).
If Subconfiguration Index (GL-121) is between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration, then Test Number (GL-127) is required, otherwise it is not allowed.
If Subconfiguration Index (GL-121) is between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration, then Test Number (GL-127) is required, otherwise it is not allowed.
The Test Category (TI-43) for this Test Number (GL-127) must be equal to 'FTP' (Test Procedure equal to '2', '11', '21', '25', '31', '35', '41', '45', '51', '52'), 'US06' (Test Procedure equal to '16', '90', '96'), 'SC03' (Test Procedure equal to '95'), 'HWY' (Test Procedure equal to '3'), or 'CD' (Test Procedure equal to '81', '83', '84', '85', '86').
If Averaging Method (GL-133) is equal to 'N' (No averaging), then Averaging Group Indicator (GL-134) must not be present.
If Averaging Method (GL-133) is not equal to 'N' (No averaging), then Averaging Weighting Factor (GL-135) is required.
If Drive Source (GL-13.5.1) is 'C' (Combustion Engine), then Engine Configuration Number (GL-25) is required.
If the Process Code (GL-0.5) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (GL-2) of the dataset for which the report was requested.
If the Process Code (GL-0.5) is equal to 'N' (New) or 'C' (Correction), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (GL-2) of the submitted dataset.
Manufacturer Code (GL-2) must exist in the system.

Manufacturer Code (GL-2) must exist in the system.
Carline Manufacturer Code (GL-10) must exist in the system.
Manufacturer Division Code (GL-11) must exist in the system.
Carline Code (GL-12) must exist in the system for the Carline Manufacturer Code (GL-10), Manufacturer Division Code (GL-11), and Model Year (GL-3).
Model Type Driving Range (GL-103) must match format 'nnn' for one driving range or 'nnn/nnn' for minimum and maximum driving range.
Base Level Fuel Usage (GL-110.5) must match a Model Type Fuel Usage (GL-89).
Test Group (GL-13.5) must exist in the system with the same Model Year (TG-6) as the Model Year (GL-3) of the submission.
The Fuel Usage for this Test Number (GL-127) must be the same as one of the Fuel Usages (GL-89) for this Label.
Each Base Level must have a unique Inertia Weight Class (GL-110).
Each Configuration within a Base Level must have a unique Configuration Index Number (GL-117).
Each SubConfiguration within a Configuration must have a unique SubConfiguration Index Number (GL-121).
Each Configuration within a Base Level must be a unique combination of Engine Code (GL-119), Axle Ratio (GL-120), and Transmission Configuration Code (GL-118).
Each SubConfiguration within a Configuration must be a unique combination of Equivalent Test Weight (GL-123) and Road Load Horsepower (GL-122).
If the Manufacturer Code of the owner for the Test Number (GL-127) 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 Test Number.
If Transmission Type (GL-67) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (GL-71) must equal '1'.
Carline Manufacturer Code (GL-125.5) must exist in the system.
Manufacturer Division Code (GL-125.6) must exist in the system.
Carline Code (GL-125.7) must exist in the system for the Carline Manufacturer Code (GL-125.5), Manufacturer Division Code (GL-125.6), and Model Year (GL-3).

Equivalent Test Weight (GL-123) can only be one of the following values: 1000, 1125, 1250, 1375, 1500, 1625, 1750, 1875, 2000, 2125, 2250, 2375, 2500, 2625, 2750, 2875, 3000, 3125, 3250, 3375, 3500, 3625, 3750, 3875, 4000, 4250, 4500, 4750, 5000, 5250, 5500, 6000, 6500, 7000, 7500, 8000, 8500, 9000, 9500, 10000, 10500, 11000, 11500, 12000, 12500, 13000, 13500, or 14000.

Inertia Weight Class (GL-110) can only be one of the following values: 1000, 1250, 1500, 1750, 2000, 2250, 2500, 2750, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500, 7000, 7500, 8000, 8500, 9000, 9500, 10000, 10500, 11000, 11500, 12000, 12500, 13000, 13500, or 14000.

If Equivalent Test Weight (GL-123) is equal to '1000' or '1125', then Inertia Weight Class (GL-110) must be equal to '1000'.

If Equivalent Test Weight (GL-123) is equal to '1250' or '1375', then Inertia Weight Class (GL-110) must be equal to '1250'.

If Equivalent Test Weight (GL-123) is equal to '1500' or '1625', then Inertia Weight Class (GL-110) must be equal to '1500'.

If Equivalent Test Weight (GL-123) is equal to '1750' or '1875', then Inertia Weight Class (GL-110) must be equal to '1750'.

If Equivalent Test Weight (GL-123) is equal to '2000' or '2125', then Inertia Weight Class (GL-110) must be equal to '2000'.

If Equivalent Test Weight (GL-123) is equal to '2250' or '2375', then Inertia Weight Class (GL-110) must be equal to '2250'.

If Equivalent Test Weight (GL-123) is equal to '2500' or '2625', then Inertia Weight Class (GL-110) must be equal to '2500'.

If Equivalent Test Weight (GL-123) is equal to '2750' or '2875', then Inertia Weight Class (GL-110) must be equal to '2750'.

If Equivalent Test Weight (GL-123) is equal to '3000', '3125', or '3250', then Inertia Weight Class (GL-110) must be equal to '3000'.

If Equivalent Test Weight (GL-123) is equal to '3375', '3500', '3625', or '3750', then Inertia Weight Class (GL-110) must be equal to '3500'.

If Equivalent Test Weight (GL-123) is equal to '3875', '4000' or '4250', then Inertia Weight Class (GL-110) must be equal to '4000'.

If Equivalent Test Weight (GL-123) is equal to '4500 or 4750', then Inertia Weight Class (GL-110) must be equal to '4500'.

If Equivalent Test Weight (GL-123) is equal to '5000' or '5250', then Inertia Weight Class (GL-110) must be equal to '5000'.

If Equivalent Test Weight (GL-123) is greater than or equal to '5500', then Inertia Weight Class (GL-110) must be equal to Equivalent Test Weight (GL-123).

Each Base Level must contain at least one configuration with a Configuration Index (GL-117) between 1 and 499 (inclusive), indicating that it is a 'tested' configuration.

If a SubConfiguration contains tests, then Test Number (GL-127), Data Substitution (GL-132) and Averaging Method (GL-133) are required for each test.

If a SubConfiguration contains a Test Number (GL-127), then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 2, 21, 25, 31, 35, 41, or 45. Note: FTP test that is NOT a Test Procedure 11 (Cold CO test).

If a SubConfiguration contains a Test Number (GL-127), then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 3 (HWFE test).

If a SubConfiguration contains a Test Number (GL-127) and FE Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC', then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 11 (Cold CO test).

If a SubConfiguration contains a Test Number (GL-127) and FE Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC', then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 95 (SC03 test).

If a SubConfiguration contains a Test Number (GL-127) and FE Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC' or '5C-MOD', then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 90 (US06 test).

If Averaging Method (GL-133) is equal to 'N' (No averaging), then Averaging Weighting Factor (GL-135) must not be present.

If Averaging Method (GL-133) is not equal to 'N' (No averaging), meaning that averaging is used, then Averaging Group Indicator (GL-134) is required.
The same Test Number (GL-127) may not be used multiple times within a SubConfiguration.
Each Test within a SubConfiguration must have the same Averaging Method (GL-133).
A Test Averaging Method (GL-133) of 'S' (Simple Averaging) can only be used if Shift Indicator Light (GL-74) is equal to 'Y'.
Within a SubConfiguration, if Averaging Method (GL-133) is not equal to 'N' (No averaging), meaning that averaging is used, then all tests that have the same combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must have the same Averaging Weighting Factor (GL-135).
Within a SubConfiguration, if Averaging Method (GL-133) is not equal to 'N' (No averaging), meaning that averaging is used, then all tests that have the same Averaging Group Indicator (GL-134) and unique combinations of Vehicle ID (TI-4) and Vehicle Configuration Number (TI-5), must have Averaging Weighting Factors (GL-135) that add up to exactly 1.00.
(Warning only, label should be accepted) For each Label Fuel Usage (GL-89) entered for a label, at least 1 Base Level should contain a Base Level Fuel Usage (GL-110.5) with the same value.
(Warning only, label should be accepted) If the Transmission Type (GL-67) equals 'A', 'M', or 'CVT', then the vehicle used for each test entered for that label should have the same Transmission Type (VI-36).
(Warning only, label should still be accepted) If the Test Fuel Category (TI-44) of a test within a Base Level is 'G' (Gasoline), then one of the Base Level Fuel Usages (GL-110.5) must be equal to 'G', 'GM', 'GMR', 'GP', or 'GPR'.
(Warning only, label should still be accepted) If the Test Fuel Category (TI-44) of a test within a Base Level is 'D' (Diesel), then one of the Base Level Fuel Usages (GL-110.5) must be equal to 'D' or 'DU'.
(Warning only, label should still be accepted) If the Test Fuel Category (TI-44) of a test within a Base Level is 'M' (Methanol), 'E' (Ethanol), 'CNG' (Compressed Natural Gas), 'LPG' (Liquid Petroleum Gas), 'LNG' (Liquified Natural Gas), or 'H' (Hydrogen), then the Test Fuel Category must be equal to one of the Base Level Fuel Usages (GL-110.5).
The Release Date (GL-176) cannot be before January 2nd of the year prior to Model Year (GL-3) or after December 31st of the Model Year (GL-3).

The combination of Carline Manufacturer Code (GL-10), Division Code (GL-11), and CarlineCode (GL-12) must exist at least once in the repeated subconfiguration sales information (GL-125.5, GL-125.6, and GL-125.7).
If the combination of Model Year (GL-3), Carline Manufacturer Code (GL-10), Division Code (GL-11), Carline Code (GL-12), Test Group (GL-13.5), Engine Configuration Number (GL-25), Transmission Type (GL-67), Transmission Lockup (GL-69), Transmission Creeper Gear (GL-70), Total Number of Transmission Gears (GL-71), Number of Transmission Modes (GL-76), and Drive System (GL-72) with the same values already exists in a fuel economy label, then Model Type Descriptor Field (GL-78.2) is required.
If the combination of Model Year (GL-3), Carline Manufacturer Code (GL-10), Division Code (GL-11), Carline Code (GL-12), Test Group (GL-13.5), Transmission Type (GL-67), Transmission Lockup (GL-69), Transmission Creeper Gear (GL-70), Total Number of Transmission Gears (GL-71), Number of Transmission Modes (GL-76), and Drive System (GL-72) with the same values already exists in a fuel economy label, then Model Type Descriptor Field (GL-78.2) is required.
If there is only one Drive Source (GL-13.5.1) and that Drive Source (GL-13.5.1) equals 'E' (Electric Motor), then Fuel Economy Label Calculation Approach (GL-79) must equal 'EV' (Electric Vehicle 2-cycle label) or 'EV-5C' (Electric Vehicle 5-cycle label).
If Drive Source (GL-13.5.1) equals 'C' (Combustion Engine) and 'E' (Electric Motor) and Off-board Charge Capable Indicator (GL-13.5.12) equals 'Yes', then Fuel Economy Label Calculation Approach (GL-79) must equal 'PHEV' (Plug-in Hybrid Label).
If Fuel Economy Label Calculation Approach (GL-79) is equal to 'PHEV' (Plug-In Hybrid Label), then Charge Depleting Fuel Economy Label Calculation Approach (GL-79.2) is required; otherwise, it is not allowed.
If Fuel Economy Label Calculation Approach (GL-79) is equal to 'PHEV' (Plug-In Hybrid Label), then Charge Sustaining Fuel Economy Label Calculation Approach (GL-79.3) is required; otherwise, it is not allowed.

If Manufacturer Voluntary Lower FE or Higher Energy Consumption Label Value (GL-85) equals 'Y' (Yes) AND Fuel Economy Value Unit (GL-90) equals 'MPG' (Miles per Gallon) OR 'MPK' (Miles per Kilogram) then at least one of the following three statements must be true for at least one Fuel Usage (GL-89) for the label:

1) Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) IS LESS THAN Manufacturer Calculated Rounded Adjusted Model Type City FE Value (GL-97).
2) Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) IS LESS THAN Manufacturer Calculated Rounded Adjusted Model Type Highway FE Value (GL-98).
3) Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) IS LESS THAN Manufacturer Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).

If Manufacturer Voluntary Lower FE or Higher Energy Consumption Label Value (GL-85) equals 'Y' (Yes) AND Fuel Economy Value Unit (GL-90) equals 'KW-HR100' (Kilowatt-Hour per 100 Miles), then at least one of the following three statements must be true for at least one Fuel Usage (GL-89) for the label:

1) Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) IS GREATER THAN Manufacturer Calculated Rounded Adjusted Model Type City FE Value (GL-97).
2) Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) IS GREATER THAN Manufacturer Calculated Rounded Adjusted Model Type Highway FE Value (GL-98).
3) Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) IS GREATER THAN Manufacturer Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).

If Fuel Usage (GL-89) equals 'H' (Hydrogen), then two values for Fuel Economy Value Unit (GL-90) must be present and must equal 'MPK' (miles per kilogram) and 'MPG' (miles per gallon).

If Mfr Voluntary Lower FE or Higher Energy Consumption Label Value (GL-85) is equal to 'N' (No), then Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) is not allowed.

If Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) is present and Fuel Economy Value Unit (GL-90) is equal to 'MPG' (miles per gallon) or 'MPK' (miles per kilometer), then Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) must be lower than Mfr Calculated Rounded Adjusted Model Type City FE Value (GL-97).
If Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) is present and Fuel Economy Value Unit (GL-90) is equal to 'KW-HR100' (kilowatt-hour per 100 miles), then Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) must be greater than Mfr Calculated Rounded Adjusted Model Type City FE Value (GL-97).
If Mfr Voluntary Lower Fuel Economy or Higher Energy Consumption Label Value (GL-85) is equal to 'N' (No), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is not allowed.
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present and Fuel Economy Value Unit (GL-90) is equal to 'MPG' (miles per gallon) or 'MPK' (miles per kilometer), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) must be lower than Mfr Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present and Fuel Economy Value Unit (GL-90) is equal to 'MPG' (miles per gallon) or 'MPK' (miles per kilometer), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) must be lower than Mfr Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present and Fuel Economy Value Unit (GL-90) is equal to 'KW-HR100' (kilowatt-hour per 100 miles), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) must be greater than Mfr Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present, then it must be greater than or equal to [1/(0.55/(City-0.5)+0.45/(Hwy-0.5))] rounded to a whole number AND less than or equal to [1/(0.55/(City+0.5)+0.45/(Hwy+0.5))] rounded to a whole number.

If only one value is selected for Fuel Usage (GL-89) and it begins with 'G' or 'D', then EPA Model Type Driving Range (GL-103) is not allowed; otherwise it is required if more than one fuel is selected for Fuel Usage including gasoline and diesel..
If only one value is selected for Fuel Usage (GL-89) and it begins with 'G' or 'D', then EPA Model Type Driving Range (GL-103) is not allowed; otherwise it is required if more than one fuel is selected for Fuel Usage including gasoline and diesel..
The combination of Carline Manufacturer Code (GL-125.5), Division Code (GL-125.6), Carline Code (GL-125.7), Transmission Type (GL-67), Transmission Lockup (GL-69), Transmission Creeper Gear (GL-70), Total Number of Transmission Gears (GL-71), and Drive System (GL-72) must exist as a certified model in the Test Group dataset (TG) for the Test Group (GL-126).
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-MOD' (Modified 5-cycle), and MDPV-Only or ICI Indicator (GL-200) = 'N' (No), and the Test Group (GL-126) specified in the subconfiguration sales section contains a Test Group Fuel (TG-217.1) equal to 'G' (Gasoline) or 'D' (Diesel), then Test Group (GL-126) must have valid values (non-Null) for EPA City Litmus Value (TG-219.3.1) and EPA City Litmus Threshold (TG-219.3.2), and EPA City Litmus Value (TG-219.3.1) must be greater than or equal to EPA City Litmus Threshold (TG-219.3.2).
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-DRV' (Derived 5-cycle), and MDPV-Only or ICI Indicator (GL-200) = "No", and the Test Group (GL-126) specified in the subconfiguration sales section contains a Test Group Fuel (TG-217.1) equal to 'G' (Gasoline) or 'D' (Diesel), then Test Group (GL-126) must have valid values (non-Null) for EPA City Litmus Value (TG-219.3.1), EPA City Litmus Threshold (TG-219.3.2), EPA Highway Litmus Value (TG-219.4.1), and EPA Highway Litmus Threshold (TG-219.4.2), and EPA City Litmus Value (TG-219.3.1) must be greater than or equal to EPA City Litmus Threshold (TG-219.3.2), and EPA Highway Litmus Value (TG-219.4.1) must be greater than or equal to EPA Highway Litmus Threshold (TG-219.4.2)
The Vehicle ID (GL-128) and Vehicle Configuration Number (GL-129) combination must have associated Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'C-H-E' (City/Highway/Evap).

If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-DRV', then Test 5-Cycle Category (GL-130.5) must equal 'FTP75' or 'HWY'; all other enumerations (including Null) are not allowed.
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-MOD', then Test 5-Cycle Category (GL-130.5) must equal 'FTP75', 'HWY', or 'US06'; all other enumerations (including Null) are not allowed.
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-DRV' and Test 5-Cycle Category (GL-130.5) is equal to "FTP75", then Test Number (GL-127) must have associated Test Result/Emission Name (TI-19) equal to 'MFR FE'.
If Test Fuel Category (GL-130.2) is equal to 'G', 'D', 'CNG', or 'LPG' and Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC' or '5C-MOD' and Hybrid Indicator (GL-13.5.2) is equal to 'No' and Test 5-Cycle Category (GL-130.5) is equal to 'FTP75', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', 'FE BAG 2', and 'FE BAG 3'. (Test Result/Emission Name 'FE BAG 4' is not allowed).
If Test Fuel Category (GL-130.2) is equal to 'G','D','CNG',or 'LPG' and Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC' or '5C-MOD' and Hybrid Indicator (GL-13.5) is equal to 'Yes' and 5 Cycle Hybrid Fuel Economy Label Calculation Approach (GL-79.1) is equal to 'HEV-4B' and Test 5-Cycle Category (GL-130.5) is equal to 'FTP75', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', 'FE BAG 2', 'FE BAG 3', and 'FE BAG 4'.
If Test 5-Cycle Category (GL-130.5) is equal to 'HWY', then Test Number (GL-127) must have associated Test Result/Emission Name (TI-19) equal to 'MFR FE'. (Test Result/Emission Name(s) 'FE BAG 1', 'FE BAG 2', 'FE BAG 3', and 'FE BAG 4' are not allowed).
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC' and Test 5-Cycle Category (GL-130.5) is equal to 'US06', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', and 'FE BAG 2'. (Test Result/Emission Name(s) 'FE BAG 3', and 'FE BAG 4' are not allowed).

If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-MOD' and Test 5-Cycle Category (GL-130.5) is equal to 'US06', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'MFR FE', 'FE BAG 1', and 'FE BAG 2'. (Test Result/Emission Name(s) 'FE BAG 3', and 'FE BAG 4' are not allowed).

If Test 5-Cycle Category (GL-130.5) is equal to 'FTP20', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', 'FE BAG 2' and 'FE BAG 3'. (Test Result/Emission Name 'FE BAG 4' is not allowed).

If Test 5-Cycle Category (GL-130.5) is equal to 'SC03', then Test Number (GL-127) must have associated Test Result/Emission Name (TI-19) equal to 'MFR FE'. (Test Result/Emission Name(s) 'FE BAG 1', 'FE BAG 2', 'FE BAG 3', and 'FE BAG 4' are not allowed).

If the Total Road Load Horsepower (GL-122) is greater than the tested vehicles' EPA-Calculated Total Road Load Horsepower (VI-43.5), or the Equivalent Test Weight (ETW) (GL-123) is greater than the tested vehicles' ETW (VI-30), or the axle ratio (GL-120) is greater than the tested vehicles' axle ratio, then Analytically-Derived FE / CREE Indicator (GL-131) must be equal to 'Yes'.

If the Analytically-Derived FE / CREE Indicator (GL-131) is equal to 'No' and [Total Road Load Horsepower (GL-122) is less than the tested vehicles' EPA-Calculated Total Road Load Horsepower (VI-43.5), or the Equivalent Test Weight (ETW) (GL-123) is less than the tested vehicles' ETW (VI-30), or the Axle Ratio (GL-120) is less than the tested vehicles' axle ratio], then Data substitution Indicator (GL-132) must be equal to 'Yes'.

If Model Year (GL-3) is greater than or equal to 2011, then the Averaging Method (GL-133) cannot be equal to 'S' (Simple averaging).

If Gas Guzzler Exempt (GL-106) is equal to 'T' (Truck), then FE Label Carline Class Code (CL-5) for entered Carline Code (GL-12) must be equal to 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 30, 31, 32, or 33.

If Gas Guzzler Exempt (GL-106) is equal to 'N' (Not Exempt) and if Fuel Usage (GL-89) begins with 'G' (Gasoline) or 'D' (Diesel), then Manufacturer-Calculated Gas Guzzler Mile Per Gallon (GL-173.1) is required, otherwise it is optional.

If Mfr Voluntary Lower FE or Higher Energy Consumption Label Value (GL-85) is equal to 'No', then Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) is not allowed.
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) is present and Fuel Economy Value Unit (GL-90) is equal to 'MPG' (miles per gallon) or 'MPK' (miles per kilogram), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) must be lower than Mfr Calculated Rounded Adjusted Model Type Highway FE Value (GL-98).
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) is present and Fuel Economy Value Unit (GL-90) is equal to 'KW-HR/100Miles' (kilowatt-hour per 100 miles), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) must be greater than Mfr Calculated Rounded Adjusted Model Type Highway FE Value (GL-98).
If Test Fuel Category (GL-130.2) = 'G' (Gasoline), 'D' (Diesel), 'CNG' (Compressed Natural Gas),or 'LPG' (Liquified Natural Gas) and Fuel Economy Label Calculation Approach (GL-79) = '5C-VEHSPEC' (Vehicle Specific 5-cycle label) or '5C-MOD' (Derived Vehicle Specific 5-cycle Calculation Approach for city label but Modified 5-cycle Calculation Approach for Highway label) and Hybrid Indicator (GL-13.5.2) = 'Y' (Yes) and 5 Cycle Hybrid Fuel Economy Label Calculation Approach (GL-79.1)= 'HEV-2B' (Hybrid 2 Bag) and Test 5-Cycle Category (GL-130.5)= 'FTP75' (Federal Test Procedure (75 °F)), then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', and 'FE BAG 2'. (Test Result/Emission Name(s) 'FE BAG 3', and 'FE BAG 4' are not allowed).
If Fuel Economy Label Calculation Approach (GL-79) = '5C-VEHSPEC' (Vehicle Specific 5-cycle label) and Test 5-Cycle Category (GL-130.5) = 'US06' Then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1' and 'FE BAG 2'. (Test Result/Emission Name(s) "FE BAG 3", and "FE BAG 4" are not allowed).
Test Numbers (GL-127) with the following Test Fuel Types are not allowed for FE Label (Test Fuel Type (TI-9) : 8, 10, 31, 32, 33, 36, 45, 71).
Transmission Type (GL-67) equal to 'OT' (Other) is not allowed.

If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Fuel Economy Rating (GL-203) is required, otherwise it is optional.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated City Fuel Economy Label Lower Range Value (GL-168) is not allowed.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated GHG Rating (GL-205) is required, otherwise it is optional.
If Gas Guzzler Exempt (GL-106) equals 'N' (No), then FE Label Carline Class Code (CL-5) for the Carline for this FE Label must be less than '10' or equal to '17' or '18'.
If Model Year (GL-3) is greater than or equal to '2013', then Unique Carline/Subconfiguration Test Group(s) (GL-207) is required, otherwise it is optional.
The Unique Carline/Subconfiguration Test Group(s) (GL-207) must exist in the system.
Test Groups provided for Unique Carline/Subconfiguration Test Group(s) (GL-207) must be one of the provided Subconfiguration Test Groups (GL-126).
All of the unique Test Groups submitted in the Subconfiguration Sales Information (GL-126) that have the same Carline as the Model Type for this FE Label must be submitted as one of the Unique Carline/Subconfiguration Test Groups (GL-207).
Test Groups listed in the Unique Carline/Subconfiguration Test Groups (GL-207) must be certified and must have one Certified Model Carline the same as the Carline of the Model Type for this FE Label.
Duplicate Unique Carline/Subconfiguration Test Groups (GL-207) are not allowed.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Smog Rating (GL-208) is required, otherwise it is optional.
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label) and Fuel Usage (GL-89) equals 'EL' (Electricity), then PHEV Composite Combined MPGe (GL-221) is required, otherwise it is optional.

If Model Year (GL-3) is greater than or equal to '2013', then either Manufacturer-Calculated Amount Saved Over 5 Years (GL-210) or Manufacturer-Calculated Amount Spent Over 5 Years (GL-212) must be submitted, but not both.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Amount Saved Over 5 Years (GL-210) must be rounded to the nearest $50.
If Model Year (GL-3) is greater than or equal to '2013' and Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present, then Manufacturer Voluntary Higher Combined Fuel Consumption (GL-275) is required, otherwise it is optional.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Increased Amount Spent Over 5 Years (GL-212) must be rounded to the nearest $50.
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label) and Fuel Usage (GL-89) equals 'EL' (Electricity), then PHEV Composite Highway MPGe (GL-220) is required, otherwise it is optional.
If Label Recalculation (GL-87) equals 'Y' (Yes) and there exists an active record with the same Model Type Index (GL-1), Manufacturer Code (GL-2), and Model Year (GL-3) where Label Recalculation (GL-87) equals 'N' (No), then the Release Date of the original record must be earlier than the new Release Date (GL-176).
If Fuel Economy Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label), then there must be at least two values for Fuel Usage (GL-89), one of which must equal 'EL' (Electricity).
If Fuel Usage (GL-89) does not equal 'H' (Hydrogen) or 'EL' (Electricity), then only one value for Fuel Economy Value Unit (GL-90) must be present and it must equal 'MPG' (miles per gallon).
If Fuel Usage (GL-89) equals 'EL' (Electricity), then two values for Fuel Economy Value Unit (GL-90) must be present and must equal 'KW-HR/100Miles' (kilowatt-hour per 100 miles) and 'MPG' (miles per gallon).
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Annual Fuel Cost (GL-81) must be submitted in increments of $50.

If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Unrounded Unadjusted Model Type City CO_2 Value (GL-268) is required, otherwise it is optional.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Unrounded Unadjusted Model Type Highway CO_2 Value (GL-269) is required, otherwise it is optional.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Unrounded Unadjusted Model Type Combined CO_2 Value (GL-270) is required, otherwise it is optional.
If Fuel Usage (GL-89) does not equal 'EL' (Electricity), then PHEV Composite City MPGe (GL-219) is not allowed.
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label) and Fuel Usage (GL-89) equals 'EL' (Electricity), then PHEV Composite City MPGe (GL-219) is required.
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label) and Fuel Usage (GL-89) equals 'EL' (Electricity), then PHEV Total Driving Distance (GL-218) is required, otherwise it is optional.
If Model Year (GL-3) is greater than or equal to '2013' and Fuel Usage (GL-89) equals 'EL' (Electricity) and the Off-Board Charge Capable Indicator (TG-8.2) of the Representative Test Group (GL-13.5) equals 'Y' (Yes), then either Charge Time (Hours) at 240 Volts (GL-216) or Charge Time (Hours) at 120 Volts (GL-217), but not both, must be present and must be greater than 0.
Warning: The FE Label has Road Load information submitted to Verify for this Model Type Index (GL-1), Manufacturer Code (GL-2) and Model Year (GL-3). Please make a correction to the Road Load if the changes made to FE Label have a reference to Road Load.
Maximum Ethanol Percentage (GL-104) cannot be less than '10'.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated 5-Cycle Rounded Adjusted Model Type City CO_2 Value (GL-235) is required, otherwise it is optional.

If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated 5-Cycle Rounded Adjusted Model Type Highway CO_2 Value (GL-236) is required, otherwise it is optional.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated 5-Cycle Rounded Adjusted Model Type Combined CO_2 Value (GL-201) is required, otherwise it is optional.
If one of the Fuel Usage (GL-89) values for this Model Type is 'E' (Ethanol), then the Maximum Ethanol Percentage (GL-104) must be equal to '85' for all Fuel Usage values (GL-89).
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Highway Fuel Economy Label Upper Range Value (GL-171) is not allowed.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Highway Fuel Economy Label Lower Range Value (GL-170) is not allowed.
If Model Year (GL-3) is greater than or equal to '2013', and if Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present, then Manufacturer Voluntary Higher CO_2 Combined Label Value (GL-276) is required, otherwise it is optional.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated City Fuel Economy Label Upper Range Value (GL-169) is not allowed.
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Adjusted Combined Model Type Fuel Consumption (GL-214) is required for at least one fuel usage, otherwise it is optional.
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label), then Manufacturer-Calculated Adjusted Combined Model Type Fuel Consumption (GL-214) is required for the electricity fuel usage and at least one other fuel usage.
If a Configuration Index (GL-117) is between 1 and 499 (inclusive) indicating that it is a 'tested' configuration, then that configuration must contain at least one subconfiguration with a Subconfiguration Index (GL-121) between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration.

If a Configuration Index (GL-117) is between 500 and 999 (inclusive) indicating that it is an 'untested' configuration, then all subconfigurations contained within that configuration must have a Subconfiguration Index (GL-121) between 50 and 99 (inclusive) indicating that they are 'untested' subconfigurations.
Warning: Transmission Type (GL-67) equals 'A' (Automatic) and Total Number of Transmission Gears (GL-71) equals '1.' Please check whether Transmission Type (GL-67) should be equal to 'CVT' (Continuously Variable) instead of 'A' (Automatic).
Warning: EPA has set the Model Type Suppression Indicator (GL-82) equal to 'Y' (Yes). This Model Type Index (GL-1) will be suppressed from the FE Guide.
If Label Recalculation (GL-87) is equal to 'Y' (Yes), then the reason for relabeling must be included in the Manufacturer FE Label Comments (GL-4) field.
Warning: Unexpected value in Maximum Ethanol Percentage (GL-104) field. Value entered is greater than 15 percent and less than 85 percent; please double check the value entered and (if correct) enter an appropriate comment in Manufacturer FE Label Comments (GL-4) field confirming that the value entered is correct. If subsequent corrections are made throughout the model year, please continue to include this comment in the Manufacturer FE Label Comments field (GL-4).
If the Manufacturer Code of the owner of the Subconfiguration Test Group (GL-126) 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 Test Group.
If an Engine Configuration Number (GL-25) is provided, then the Displacement (VI-22) (rounded to a tenth) of the Test Vehicle associated with the Test Number (GL-127), must be the same as the Engine Displacement (GL-26) (rounded to a tenth) of the label specified by the combination of Test Group (GL-13.5) and Engine Configuration Number (GL-25).
If an Engine Configuration Number (GL-25) is provided, then the Air Aspiration Method (VI-23) of the Test Vehicle associated with the Test Number (GL-127), must be the same as the Air Aspiration Method (GL-35) of the label specified by the combination of Test Group (GL-13.5) and Engine Configuration Number (GL-25).

If the Manufacturer Code (GL-125.5) of the owner of the 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.
If the Manufacturer Code of the owner of the Representative Test Group (GL-13.5) 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 Test Group.
Test Group (GL-126) must exist in Verify as a certified Test Group.
The Representative Test Group (GL-13.5) must exist in Verify as a certified Test Group.
If Model Year (GL-3) is greater than or equal to '2013' and Fuel Usage (GL-89) begins with 'G' (Gasoline), then Manufacturer-Calculated Adjusted Combined Model Type Fuel Consumption (GL-214) is required for that fuel usage.
If the Analytically-Derived FE / CREE Indicator (TI-13.5) of the Test Number (GL-127) is equal to 'N' (No) and at least one of the following is true: 1) Total Road Load Horsepower (GL-122) is greater than the tested vehicle's EPA-Calculated Total Road Load Horsepower (VI-43.5), or 2) Equivalent Test Weight (ETW) (GL-123) is greater than the tested vehicle's ETW (VI-30), or 3) Axle Ratio (GL-120) is greater than the tested vehicle's Axle Ratio (VI-35), then N/V Ratio (GL-281) is required. Otherwise, it is optional.
Each footprint record within the same submission must be a unique combination of 'Footprint Description' (FT-6), 'Wheelbase (inches)' (FT-7), 'Front Track Width (inches)' (FT-8), and 'Rear Track Width (inches)' (FT-9) for the same Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1).
A new Footprint record with a Footprint Index that is blank cannot be the same combination of 'Footprint Description' (FT-6), 'Wheelbase (inches)' (FT-7), 'Front Track Width (inches)' (FT-8), and 'Rear Track Width (inches)' (FT-9) as a previously submitted footprint for the same Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1).
If Process Code (FT-0.5) equals 'R' (Report), then the Manufacturer Code of the Submission Author Details must be the same as the Carline Manufacturer Code (FT-1).

The Manufacturer Code of the Submission Author Details must be the same as the Carline Manufacturer Code (FT-1).
If Process Code (FT-0.5) equals 'C' (Correction) then a record must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).
If Process Code (FT-0.5) equals 'N' (New) then a record must not exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).
If Process Code (FT-0.5) equals 'R' (Report), then a record must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).
Carline Manufacturer Code (FT-1) must exist in the system.
For a Footprint submission, the Carline must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).
If Process Code (FT-0.5) is 'N' (New) then Footprint Index (FT-5) is not allowed.
If Process Code (FT-0.5) is 'C' (Correction) and Footprint Index (FT-5) is not blank, then a Footprint Record must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4) and Footprint Index (FT-5).
If Process Code (FT-0.5) equals 'D' (Delete), then the Manufacturer Code of the Submission Author Details must be the same as the Carline Manufacturer Code (FT-1).
If Process Code (FT-0.5) is 'D' (Delete) then at least one active footprint record must exist for the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).
If Process Code (FT-0.5) is 'D' (Delete) then the Carline associated with the Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4) must not have been used in any active CAFE dataset.
If Model Year (FT-2) is greater than or equal to 2012, then Manufacturer Footprint Target GHG Value Rounded to One Decimal Place (grams per mile) (FT-16) is required. Otherwise, it is optional.
If Process Code (FT-0.5) is 'C' (Correction) then each Footprint Index Number (FT-5), if present, must be unique.
The Manufacturer Code of the Submission Author Details must be the same as the EPA Manufacturer Code (FT-0.7).

If FE Label Carline Class Code (CL-5) equals '30' (Small 2WD SUV), then Footprint Vehicle Type (FT-37) is required.
If Process Code (RL-0.5) equals 'N' (New) or 'C' (Correction), then the Manufacturer Code (RL-1) must match the manufacturer code in the Submission Author Details.
Manufacturer Code (RL-1) must exist in Verify.
If Process Code (RL-0.5) equals 'R' (Report) or 'D' (Delete), then a Road Load must already exist in Verify for the same Road Load Index (RL-1.5), Model Year (RL-1.6), FE Label Manufacturer Code (RL-1.8), and FE Label Model Type Index (RL-2).
Manufacturer-Calculated Total Road Load Horsepower (RL-22) must equal the EPA-calculated Total Road Load Horsepower (RL-23) after both have been rounded to '0.1'.
Manufacturer-Calculated Total Road Load Horsepower (RL-22) must equal the EPA-Calculated Total Road Load Horsepower (RL-23) after both have been rounded to '0.1'. (Manufacturer-Calculated Total Road Load Horsepower (RL-22) refers to Total Road Load Horsepower (GL-122) in the specified FE Label).
If Process Code (RL-0.5) equals 'C' (Correction), then a Road Load record must already exist in Verify for the same Road Load Index (RL-1.5), Model Year (RL-1.6), FE Label Manufacturer Code (RL-1.8), and FE Label Model Type Index (RL-2).
If Process Code (RL-0.5) equals 'N' (New), then an FE Label record must already exist in Verify for the same Model Year (RL-1.6), FE Label Manufacturer Code (RL-1.8), and FE Label Model Type Index (RL-2).
If FE Label Subconfiguration Reference Indicator (RL-1.7) equals 'Y' (Yes), then a Subconfiguration must exist in Verify for the same FE Label Base Level Index (RL-2.1), FE Label Configuration Index (RL-2.2) and FE Label Subconfiguration Index (RL-3) in the FE Label specified by the Model Year (RL-1.6), FE Label Manufacturer Code (RL-1.8), and FE Label Model Type Index (RL-2).
The Manufacturer Code of the Submission Author Details must be the same as the FE Label Manufacturer Code (RL-1.8).
FE Label Manufacturer Code (RL-1.8) must exist in Verify.

If Process Code (RL-0.5) equals 'R' (Report) or 'D' (Delete), then the Manufacturer Code of the Submission Author Details must be the same as the FE Label Manufacturer Code (RL-1.8).
If FE Label Subconfiguration Reference Indicator (RL-1.7) equals 'Y' (Yes), then FE Label Base Level Index (RL-2.1), FE Label Configuration Index (RL-2.2) and FE Label Subconfiguration Index (RL-3) are required, otherwise they are not allowed.
Test Group Name (RL-4) must exist in Verify as a certified Test Group.
If FE Label Subconfiguration Reference Indicator (RL-1.7) equals 'N' (No), then Test Group (RL-4), Engine Code (RL-5), Axle Ratio (RL-15), ETW (RL-21), and Manufacturer-Calculated Total Road Load Horsepower (RL-22) are required, otherwise they are not allowed.
If Process Code (RL-0.5) equals 'D' (Delete), then Deletion Reason (RL-28) is required, otherwise it is optional.
If Process Code (RL-0.5) equals 'N' (New), then a record must not exist in Verify for the same FE Label Manufacturer Code (RL-1.8), Model Year (RL-1.6), FE Label Model Type Index (RL-2) and Road Load Index (RL-1.5).
If the Manufacturer Code of the owner of the Test Group (RL-4) 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 Test Group.
If Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then an active record must exist in the system with the same Manufacturer Code (IT-2), VIN (IT-3), Emission Program (IT-4) and Mileage Category (IT-38), and Test Number (IT-5).
If Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then an active record must exist in the system with the same Manufacturer Code (IT-2), VIN (IT-3), Emission Program (IT-4) and Mileage Category (IT-38), and Test Number (IT-5).
An active Vehicle Information dataset must exist in the system with the same Manufacturer Code (IT-2), VIN (IT-3), Emission Program (IT-4), and Mileage Category (IT-38).
An active Vehicle Information dataset must exist in the system with the same Manufacturer Code (IT-2), VIN (IT-3), Emission Program (IT-4), and Mileage Category (IT-38).

Manufacturer Code (IT-2) must exist in the system.
Manufacturer Code (IT-2) must exist in the system.
If the Emission Program (IT-4) is equal to 'R1' (EPA In-Use Surveillance Testing (EPA only)), 'R2' (EPA In-Use Confirmatory Testing (EPA only)), 'C1' (California In-Use confirmatory testing Phase 1), or 'C2' (California In-Use confirmatory testing Phase 2), then the Manufacturer Code (IT-2) of the Submission Author Details must be 'EPA' or 'ARB' or 'LOD'.
If the Emission Program (IT-4) is equal to 'R1' (EPA In-Use Surveillance Testing (EPA only)), 'R2' (EPA In-Use Confirmatory Testing (EPA only)), 'C1' (California In-Use Confirmatory Testing Phase 1), or 'C2' (California In-Use Confirmatory Testing Phase 2), then the Manufacturer Code (IT-2) of the Submission Author Details must be 'EPA' or 'ARB' or 'LOD'.
If the Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then Test Number (IT-5) is required; otherwise it is not allowed.
If the Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then Test Number (IT-5) is required; otherwise, it is not allowed.
If the Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then Test Number (IT-5) is required; otherwise, it is not allowed.
The Test Laboratory Code (IT-7) must be valid.
If the Weighted Result (IT-29) is greater than the Federal In-Use Standard (IT-31), then the Federal Pass/Fail/Void Status (IT-10) must equal 'F' (Fail) or 'V' (Void).
If the Weighted Result (IT-29) is greater than the California In-Use Standard (IT-32), then the California Pass/Fail/Void Status (IT-11) must equal 'F' (Fail) or 'V' (Void).
If the Federal Pass/Fail/Void Status (IT-10) is equal to 'F' (Fail) or 'V' (Void), then Test Comments (IT-37) is required.
If the California Pass/Fail/Void Status (IT-10) is equal to 'F' (Fail) or 'V' (Void), then Test Comments (IT-37) is required.
The Test Date (IT-12) must not be greater than the submission date.
If the Test Condition (IT-13) is equal to 'SS' (Set to Spec), then the Manufacturer Code (IT-2) of the Submission Author Details must be 'EPA' or 'ARB' or 'LOD'.
If the Test Condition (IT-13) is equal to 'AM' (After Maintenance), then Test Comments (IT-37) is required.

If Process Code (IT-1) is 'D' (Delete), then Deletion Reason (IT-39) is required.
If the category of the Test Procedure (IT-14) is 'FTP' (Test Procedure equal to '2', '11', '21', '25', '31', '35', '41', '45', '51', '52', '80', or '81'), then Bag 1 Result (IT-33), Bag 2 Result (IT-34), and Bag 3 Result (IT-35) are required.
If the category of the Test Procedure (IT-14) is 'FTP' (Test Procedure equal to '2', '11', '21', '25', '31', '35', '41', '45', '51', '52', '80', or '81') and the test vehicle is a hybrid (Drive Source (TG-7) equals 'H' (Hybrid)), then Bag 4 Result (IT-36) is required.
IUVP Test Information can only be accepted within the allowed time range of submissions for the Model Year (IV-8) of the test vehicle and the Mileage Category (IT-38).
Test Date (IT-12) must be greater than the Build Date (IV-33) of the vehicle.
Test Date (IT-12) must be greater than the Build Date (IV-33) of the vehicle.
Test Procedure Codes (IT-14) of '51', '52', '80', '81', '82', or '83' are not allowed.
Test Result/Emission Names (IT-28) of 'FE BAG 1', 'FE BAG 2', 'FE BAG 3', and 'FE BAG 4' are not allowed.
If the Test Procedure (IT-14) is an ORVR (24 or 44) or Running Loss (32 or 37) test, then a Test Result/Emission Name (IT-28) of 'HC-TOTAL' is not allowed.
The Test Result/Emission Name (IT-28) of 'HC' is only allowed for ORVR (Test Procedure (IT-14) equal to 24 or 44) or Running Loss (Test Procedure (IT-14) equal to 32 or 37) tests.
If the Emission Program (IT-4) is not equal to 'R1' (EPA In-Use Surveillance Testing (EPA only)), 'R2' (EPA In-Use Confirmatory Testing (EPA only)), 'C1' (California In-Use confirmatory testing Phase 1), or 'C2' (California In-Use confirmatory testing Phase 2), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (IT-2) of the dataset.
The Manufacturer Code of the Submission Author Details must match the Manufacturer Code (IT-2) of the requested dataset.
Test Result Names (IT-28) of 'CO2 BAG 1', 'CO2 BAG 2', 'CO2 BAG 3', and 'CO2 BAG 4' are not allowed.

If Model Year (IV-8) of the test vehicle is greater than '2014' and the category of the Test Procedure (IT-14) is 'FTP' (Test Procedure equal to '2', '11', '21', '25', '31', '35', '41', '45', '51', '52', '80', or '81'), 'US06' (Test Procedure equal to '16', '90', or '96'), 'SC03' (Test Procedure equal to '95'), 'HWY' (Test Procedure equal to '3'), or 'CD' (Test Procedure equal to '81', '83', '84', '85', or '86'), then Test Result/Emission Names (IT-28) of 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), 'DT-EER' (Drive Trace Energy Economy Rating) are required; otherwise, they are optional.
If Test Result/Emission Name (IT-28) equals 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), or 'DT-EER' (Drive Trace Energy Economy Rating), then Weighted Result (IT-29) must be greater than or equal to -99.99 and less than or equal to 99.99; otherwise, Weighted Result (IT-29) must be greater than or equal to 0.
If Test Result/Emission Name (IT-28) equals 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), or 'DT-EER' (Drive Trace Energy Economy Rating), then Test Result Unit (IT-30) must equal 'N/A' (not applicable); otherwise, Test Result Unit (IT-30) must not equal 'N/A' (not applicable).
If Process Code (IV-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then an active record must exist in the system with the same Manufacturer Code (IV-2), VIN (IV-3), Emission Program (IV-4) and Mileage Category (IV-20).
If Process Code (IV-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then an active record must exist in the system with the same Manufacturer Code (IV-2), VIN (IV-3), Emission Program (IV-4) and Mileage Category (IV-20).
If Process Code (IV-1) is equal to 'N' (New), then an active record must not exist in the system with the same Manufacturer Code (IV-2), VIN (IV-3), Emission Program (IV-4) and Mileage Category (IV-20).
Manufacturer Code (IV-2) must exist in the system.
Manufacturer Code (IV-2) must exist in the system.
Test Group (IV-6) must exist in the system as a certified test group.
If the Model Year (IV-8) is equal to 2010 or later, then Evaporative/Refueling Family (IV-7) must exist in the system.

If the Emission Program (IV-4) is equal to 'R1' (EPA In-Use Surveillance Testing (EPA only)), 'R2' (EPA In-Use Confirmatory Testing (EPA only)), 'C1' (California In-Use Confirmatory Testing Phase 1), or 'C2' (California In-Use Confirmatory Testing Phase 2), then the Manufacturer Code (IV-2) of the Submission Author Details must be 'EPA' or 'ARB' or 'LOD'.
The Model Year (IV-8) must match the embedded model year in the Test Group (IV-6).
The Model Year (IV-8) must match the embedded model year in the Evaporative/Refueling Family (IV-7).
The Manufacturer Code (IV-2) must match the manufacturer code embedded in the Test Group (IV-6).
The Manufacturer Code (IV-2) must match the manufacturer code embedded in the Evaporative/Refueling Family (IV-7).
Manufacturer Division Code (IV-10) must exist in the system.
If the Model Year (IV-8) is equal to 2010 or later, then Carline Code (IV-11) must exist in the system.
If Transmission Type (IV-23) is equal to 'OT' (Other), then Transmission Type if Other (IV-24) is required; otherwise, it is not allowed.
If Transmission Type (IV-23) is equal to 'OT' (Other), then Transmission Type if Other (IV-24) is required; otherwise, it is not allowed.
If Transmission Type (IV-23) is equal to 'M' (Manual), then Transmission Lockup (IV-25) must equal 'N' (No).
If Creeper Gear (IV-26) is equal to 'Y' (Yes), then Transmission Type (IV-23) must equal 'M' (Manual).
If Transmission Type (IV-23) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (IV-27) must equal '1'.
The Date of Inspection (IV-32) must not be greater than the submission date.
If Commanded MIL Status (IV-35) is equal to 'Y' (MIL Commanded On), then Active Trouble Code Status (IV-36) must equal 'Y' (Active Trouble Codes Present).
If Active Trouble Code Status (IV-36) is 'Y' (Active Trouble Codes Present), then at least one Active Trouble Code (IV-37) is required.
If Active Trouble Code Status (IV-36) is 'Y' (Active Trouble Codes Present), then at least one Active Trouble Code (IV-37) is required.
If Readiness Status Complete (IV-38) is equal to 'N' (Not All Readiness Monitors Are Complete), then at least one Incomplete Readiness Status (IV-39) is required.

If Readiness Status Complete (IV-38) is equal to 'N' (Not All Readiness Monitors Are Complete), then at least one Incomplete Readiness Status (IV-39) is required.
If Incomplete Readiness Status (IV-39) is equal to 'OT' (Other), then Vehicle Comments (IV-42) is required.
If Vehicle Rejection Code (IV-40) is not '0' (Vehicle Was Not Rejected), then Vehicle Rejection Comments (IV-41) is required.
If Process Code (IV-1) is equal to 'D' (Delete), then Deletion Reason (IV-45) is required.
IUVP Vehicle Information can only be accepted within the allowed time range of submissions for the Model Year (IV-8) and Mileage Category (IV-20).
IUVP Vehicle Information can only be accepted within the allowed time range of submissions for the Model Year (IV-8) and Mileage Category (IV-20).
If Test Fuel Type (TI-9) equals '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), '48' (Tier 3 E10 Regular Gasoline), '49' (Tier 3 E10 Premium Gasoline), '58' (Tier 3 E10 Regular Gasoline [10 RVP-FFV ORVR Only]), or '59' (Tier 3 E10 Premium Gasoline [10 RVP-FFV ORVR Only]), and the Test Procedure (TI-8) equals '23' (FED Fuel 2 Day Evap [Butane]), '27' (CA Fuel 2 Day Evap [Butane Load]), '32' (FED Fuel Running Loss), '34' (FED Fuel 3 Day Evap [Butane Load]), '37' (CA Fuel Running Loss), '38' (CA Fuel 3 Day Evap [Butane Load]), '43' (FED Fuel 2 Day Evap [Heat to Load]), or '47' (CA Fuel 2 Day Evap [Heat to Load]), then a Test Result/Emission Name (TI-19) equal to 'HC-TOTAL-EQUIV' (Total Hydrocarbon Equivalent - Evap Only) must be included.

15.0.0.0 Business Rules

Business Rule Text for This Release	Target Data Element Number
Manufacturer Code (FP-1) must exist in the system.	(FP-1)
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).	(FP-2) (FP-3) (FP-1)
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).	(FP-2) (FP-3) (FP-1)
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.	(FP-1)
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.	(FP-1)
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).	(FP-0.5)
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).	(FP-2) (FP-3) (FP-1)
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).	(FP-2) (FP-3) (FP-1) (FP-0.5)
If Process Code (FP-0.5) equals 'N' (New), then Test Fuel Type (FP-4) must not equal '1' (Indolene 30), '6' (EPA Unleaded Gasoline), '7' (Industrial Unleaded 100 Octane), '8' (Number 1 Fuel Oil), '9' (Cert Diesel 300 ppm Sulfur), '10' (Natural Gas), '24' (Cold CO Regular [Cert]), or '25' (Cold CO Premium [Cert]).	(FP-4)
If Test Category (TI-43) = 'CD' (Charge Depleting), then Certification Level (TI-39) is not to be calculated.	(TI-39)

If Test Procedure (TI-8) is equal to "Charge Depleting UDDS" (Test Procedure Code = '81'), "Charge Depleting Highway" (Test Procedure Code = '84'), or "Charge Depleting US06" (Test Procedure Code = '83'), then Certification Disposition Code (TI-40) is not allowed (i.e. not calculated).	(TI-40)
If Test Result/Emission Name (TI-19) is equal to "CREE" or "Opt-CREE", then Certification Disposition Code (TI-40) are not allowed (i.e. not calculated).	(TI-40)
Manufacturer Code (TI-3) must exist in the system.	(TI-3)
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.	(TI-1)
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.	(TI-1)
If Process Code (TI-0.5) 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.	(TI-3) (TI-4) (TI-5)
If the submitter's Manufacturer Code (TI-3) is not equal to 'LOD' then LOD Test Number (TI-2) is not allowed.	(TI-2)
Test Date (TI-6) must be earlier than or equal to the Submit Date (as determined by the system).	(TI-6)
If the submitter's Manufacturer Code (TI-3) is equal to 'LOD' then Verify Test Lab ID (TI-7) is not allowed, otherwise it is required.	(TI-7)
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.	(TI-13)
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.	(TI-13)
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.	(TI-16) (TI-17) (TI-18)
The Test Result/Emission Name (TI-19) cannot contain 'CO-comp' (CO SFTP Composite) or 'HC-NM+NOx-comp' (NMHC+NOX SFTP Composite).	(TI-19)

The Test Result/Emission Name (TI-19) cannot contain 'CO-comp' (CO SFTP Composite) or 'HC-NM+NOx-comp' (NMHC+NOX SFTP Composite).	(TI-19)
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.	(TI-3)
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is equal to '9' (Cert Diesel 300 ppm Sulfur), '18' (CARB Cert Diesel 7-15 ppm Sulfur), or '19' (Federal Cert Diesel 7-15 PPM Sulfur), and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19)
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) is equal to '9' (Cert Diesel 300 ppm Sulfur), '18' (CARB Cert Diesel 7-15 ppm Sulfur), or '19' (Federal Cert Diesel 7-15 PPM Sulfur), and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19)
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 el Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15)

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15)

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15)

If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) equals '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), '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), or '61' (Tier 2 Unleaded) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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); and Fuel Batch Manufacturer Code (TI-16), Fuel Batch ID (TI-17), and Fuel Calibration Number (TI-18) are required and must specify a Fuel Properties submission in which the following fields exist: Fuel Specific Gravity (FP-13), Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14). (Please submit required Test Result/Emission Names)	(TI-19) (FP-13) (FP-15) (FP-14)
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) equals '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), '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), or '61' (Tier 2 Unleaded) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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); and Fuel Batch Manufacturer Code (TI-16), Fuel Batch ID (TI-17), and Fuel Calibration Number (TI-18) are required and must specify a Fuel Properties submission in which the following fields exist: Fuel Specific Gravity (FP-13), Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14). (Please submit required Test Result/Emission Names)	(TI-19) (FP-13) (FP-15) (FP-14)

If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) equals '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), '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), or '61' (Tier 2 Unleaded) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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); and Fuel Batch Manufacturer Code (TI-16), Fuel Batch ID (TI-17), and Fuel Calibration Number (TI-18) are required and must specify a Fuel Properties submission in which the following fields exist: Fuel Specific Gravity (FP-13), Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14). (Please submit required Test Result/Emission Names)	(TI-19) (FP-13) (FP-15) (FP-14)
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No), Test Fuel Type (TI-9) equals '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), '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), or '61' (Tier 2 Unleaded) and the Test Procedure (TI-8) requires Fuel Economy to be calculated (2, 3, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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); and Fuel Batch Manufacturer Code (TI-16), Fuel Batch ID (TI-17), and Fuel Calibration Number (TI-18) are required and must specify a Fuel Properties submission in which the following fields exist: Fuel Specific Gravity (FP-13), Fuel Blend Carbon Weight Fraction (FP-15), and Fuel Net Heating Value (FP-14). (Please submit required Test Result/Emission Names)	(TI-19) (FP-13) (FP-15) (FP-14)

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-8) (FP-9) (FP-15) (FP-12) (FP-16)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-8) (FP-9) (FP-15) (FP-12) (FP-16)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-8) (FP-9) (FP-15) (FP-12) (FP-16)

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-8) (FP-9) (FP-15) (FP-12) (FP-16)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15) (FP-14)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15) (FP-14)
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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15) (FP-14)

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, 11, 21, 25, 31, 35, 41, 45, 81, 83, 84, 85, 86, 90, 95), 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).	(TI-19) (FP-13) (FP-15) (FP-14)
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.	(TI-0.5)
If Test Fuel Type (TI-9) is equal to '9' (Cert Diesel 300 ppm Sulfur), '18' (CARB Cert Diesel 7-15 ppm Sulfur), or '19' (Federal Cert Diesel 7-15 ppm Sulfur), then the Diesel Adjustment Factor Indicator (TI-18.5) is required, otherwise it is optional.	(TI-18.5)
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.	(TI-3)
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.	(TI-1)
If Process Code (TI-0.5) is equal to 'N' (New) then Test Number (TI-1) is not allowed.	(TI-1)
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.	(TI-19)
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.	(TI-19)
Each Test Result/Emission Name (TI-19) must be a unique value."	(TI-19)
Each Test Result/Emission Name (TI-19) must be a unique value."	(TI-19)
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.	(TI-1)

If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'N' (No) and Test Procedure Code (TI-8) is equal to 90 (US06) or 95 (SC03), then at least one of the following options must be met: Option 1: 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). Option 2: The submission must either contain a NMOG+NOX emissions result (TI-19) or a NMOG emission result (TI-19) and a NOX emission result (TI-19).	(TI-19)
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' (Manufacturer Fuel Economy) or 'FE BAG 1' (Bag 1 Fuel Economy) or 'FE BAG 2' (Bag 2 Fuel Economy) or 'FE BAG 3' (Bag 3 Fuel Economy) or 'FE BAG 4' (Bag 4 Fuel Economy), then Fuel Economy Value Unit (TI-20.5) is required, otherwise it is optional.	(TI-20.5)
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 be equal to 'MPK'.	(TI-20.5)
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.	(TI-22.1)
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).	(TI-6) (TI-22.1)
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).	(TI-8)
If Retest Indicator (TI-22) is equal to 'Y' (Yes), then Retest Reason (TI-23) is required, otherwise it is not allowed.	(TI-23)
For tests submitted by manufacturers, Retest Reason (TI-23) can only be equal to '1' (Failed(F)), '2' (Void (V)), or '3' (FE(FE)).	(TI-23)
If Hybrid Indicator (VI-10.6) or Fuel Cell Indicator (VI-11.4) is equal to 'Y' (Yes), and, if Test Procedure (TI-8) is equal to 3 (HWFE), 90 (US06), 95 (SC03) or the following FTP Test Procedures (2, 21, 25, 31, 35, 41, or 45), then State of Charge Delta Indicator (TI-24) is required, otherwise it is optional.	(TI-24)

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.	(TI-19)
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.	(TI-19)
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) is submitted then Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) must also be submitted.	(TI-19)
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) is submitted then Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) must also be submitted.	(TI-19)
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) is submitted then Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) must also be submitted.	(TI-19)
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) is submitted then Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) must also be submitted.	(TI-19)
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 3' (Bag 3 Fuel Economy) is submitted then Test Results with Test Result/Emission Names (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) and 'FE BAG 2' (Bag 2 Fuel Economy) must also be submitted.	(TI-19)
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 3' (Bag 3 Fuel Economy) is submitted then Test Results with Test Result/Emission Names (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) and 'FE BAG 2' (Bag 2 Fuel Economy) must also be submitted.	(TI-19)
If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 4' (Bag 4 Fuel Economy) is submitted then Test Results with Test Result/Emission Names (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy), 'FE BAG 2' (Bag 2 Fuel Economy) and 'FE BAG 3'(Bag 3 Fuel Economy) must also be submitted.	(TI-19)

If Test Results with Test Result/Emission Name (TI-19) equal to 'FE BAG 4' (Bag 4 Fuel Economy) is submitted then Test Results with Test Result/Emission Names (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy), 'FE BAG 2' (Bag 2 Fuel Economy) and 'FE BAG 3'(Bag 3 Fuel Economy) must also be submitted.	(TI-19)
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.	(TI-13.6)
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.	(TI-13.6)
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").	(TI-13.6)
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.	(TI-13.7)
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.	(TI-13.8)
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.	(TI-13.9)
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.	(TI-18.8)
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.	(TI-18.9)
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).	(TI-6) (TI-18.9)

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).	(TI-18.9)
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.	(TI-22)
If Test Category (TI-43) equals 'CD' (Charge Depleting) as determined by the Test Procedure (TI-8), then PHEV Test Information Data Elements from TI-18.1 to TI-18.7 are required, otherwise not allowed.	(TI-18.1) (TI-18.2) (TI-18.3) (TI-18.4) (TI-18.5) (TI-18.6) (TI-18.6.1) (TI-18.7)
If Test Category (TI-43) equals 'CD' (Charge Depleting) as determined by the Test Procedure (TI-8), then PHEV Test Information Data Elements from TI-18.1 to TI-18.7 are required, otherwise not allowed.	(TI-18.1) (TI-18.2) (TI-18.3) (TI-18.4) (TI-18.5) (TI-18.6) (TI-18.6.1) (TI-18.7)
Recharge Event Voltage (TI-18.3) must be between '100' and '500' volts.	(TI-18.3)
If Original Manufacturer Verify Test Number That Was Confirmed (TI-18.9) is entered, then its' associated Mfr Code (TI-3), Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), Test Procedure (TI-8) and Test Fuel Type (TI-9) must match the same combination of data elements for the test being entered.	(TI-3) (TI-4) (TI-5) (TI-8) (TI-9)
If a Test Result/Emission Name (TI-19) value of 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) is submitted, then Test Result/Emission Name (TI-19) values of 'HC-NM' (Non-methane Hydrocarbon), 'Methane' (Methane) and 'N2O' (Nitrous Oxide) are also required. Otherwise, they are optional.	(TI-19)
If a Test Result/Emission Name (TI-19) value of 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) is submitted, then Test Result/Emission Name (TI-19) values of 'HC-NM' (Non-methane Hydrocarbon), 'Methane' (Methane) and 'N2O' (Nitrous Oxide) are also required. Otherwise, they are optional.	(TI-19)

If Original Test Vehicle Model Year (VI-7) is greater or equal to 2012, and if any of the following are true: Test 5-Cycle Category (TI-45) is equal to 'FTP75' (Federal Test Procedure (75 °F), Test 5-Cycle Category (TI-45) is equal to 'HWY' (Highway NOx), Test Procedure (TI-8) is equal to '81' (Charge Depleting UDDS) or Test Procedure (TI-8) is equal to '84' (Charge Depleting Hwy), then at least one Test Result/Emission Name (TI-19) value of 'CREE' or 'OPT-CREE' is required, otherwise they are optional. Note - For charge depleting tests, 'CREE' or 'OPT-CREE' values for the entire test should be submitted in Bag/Phase #1.	(TI-19)
If Original Test Vehicle Model Year (VI-7) is greater or equal to 2012, and if any of the following are true: Test 5-Cycle Category (TI-45) is equal to 'FTP75' (Federal Test Procedure (75 °F), Test 5-Cycle Category (TI-45) is equal to 'HWY' (Highway NOx), Test Procedure (TI-8) is equal to '81' (Charge Depleting UDDS) or Test Procedure (TI-8) is equal to '84' (Charge Depleting Hwy), then at least one Test Result/Emission Name (TI-19) value of 'CREE' or 'OPT-CREE' is required, otherwise they are optional. Note - For charge depleting tests, 'CREE' or 'OPT-CREE' values for the entire test should be submitted in Bag/Phase #1.	(TI-19)
If Original Test Vehicle Model Year (VI-7) is greater or equal to 2012, and if any of the following are true: Test 5-Cycle Category (TI-45) is equal to 'FTP75' (Federal Test Procedure (75 °F), Test 5-Cycle Category (TI-45) is equal to 'HWY' (Highway NOx), Test Procedure (TI-8) is equal to '81' (Charge Depleting UDDS) or Test Procedure (TI-8) is equal to '84' (Charge Depleting Hwy), then at least one Test Result/Emission Name (TI-19) value of 'CREE' or 'OPT-CREE' is required, otherwise they are optional. Note - For charge depleting tests, 'CREE' or 'OPT-CREE' values for the entire test should be submitted in Bag/Phase #1.	(TI-19)
If Test 5-Cycle Category (TI-45) is 'FTP75' or 'HWY' and if Test Result/Emission Name (TI-19) values of 'HC-NM' (Non-methane Hydrocarbon), 'METHANE' (CH4 - Methane) and 'N2O' (Nitrous Oxide) are submitted, then Unrounded Unadjusted OPT-CREE (TI-19.5) is required.	(TI-19.5)
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes), then the Manufacturer Code (TI-3), Vehicle ID (TI-4) and the Vehicle Configuration Number (TI-5) must be identical to that of the Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6).	(TI-3) (TI-4) (TI-5) (TI-13.6)

If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes), then the Fuel Batch Manufacturer Code (TI-16), the Fuel Batch ID (TI-17), and the Fuel Calibration Number (TI-18) must be identical to that of Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6).	(TI-13.6) (TI-16) (TI-17) (TI-18)
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes), then Test Fuel Type (TI-9) must be identical to the Test Fuel Type of the Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6).	(TI-9) (TI-13.6)
If Analytically-Derived FE/CREE Indicator (TI-13.5) is equal to 'Y' (Yes), then Test Procedure (TI-8) must be identical to the Test Procedure of the Analytically-Derived FE/CREE Base Verify Test Number (TI-13.6).	(TI-8) (TI-13.6)
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 1' (Bag 1 Carbon Dioxide) must also be submitted.	(TI-19)
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 1' (Bag 1 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 1' (Bag 1 Carbon Dioxide) must also be submitted.	(TI-19)
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 2' (Bag 2 Carbon Dioxide) must also be submitted.	(TI-19)
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 2' (Bag 2 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 2' (Bag 2 Carbon Dioxide) must also be submitted.	(TI-19)
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 3' (Bag 3 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 3' (Bag 3 Carbon Dioxide) must also be submitted.	(TI-19)

If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 3' (Bag 3 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 3' (Bag 3 Carbon Dioxide) must also be submitted.	(TI-19)
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 4' (Bag 4 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 4' (Bag 4 Carbon Dioxide) must also be submitted.	(TI-19)
If a Test Result with Test Result/Emission Name (TI-19) equal to 'FE BAG 4' (Bag 4 Fuel Economy) is submitted and Analytically-Derived FE/CREE Indicator (TI-13.5) equals 'N' (No), then a Test Result with Test Result/Emission Name (TI-19) equal to 'CO2 BAG 4' (Bag 4 Carbon Dioxide) must also be submitted.	(TI-19)
If the Process Code (TI-0.5) is equal to 'C' (Correction) and the Test Number (TI-1) indicates an EPA Confirmatory Test, then the only valid submitter is the EPA.	(TI-0.5) (TI-1)
If Original Test Vehicle Model Year (VI-7) is 2011 or earlier and if Analytically-Derived FE Indicator (TI-13.5) is equal to 'Y' (Yes) and the Test Category (TI-43) is equal to 'FTP', 'HWY', 'US06' or 'SC03' (Test Procedures (TI-8) = 2, 3, 11, 16, 21, 25, 31, 35, 41, 45, 90, 95, 96), then one of the Test Results submitted must have a Test Result/Emission Name (TI-19) equal to 'MFR FE' (Manufacturer Fuel Economy).	(TI-19)
If Analytically-Derived FE Indicator (TI-13.5) is equal to 'Y' (Yes), then the Test Category (TI-43) must be equal to 'FTP', 'HWY', 'US06' or 'SC03' (Test Procedures (TI-8) = 2, 3, 11, 16, 21, 25, 31, 35, 41, 45, 90, 95, 96).	(TI-43)
If Original Test Vehicle Model Year (VI-7) is greater than '2014' and Test Category (TI-43) equals 'FTP' (Federal Test Procedure), 'US06' (US06), 'SC03' (SC03), 'HWY' (Highway NOx), or 'CD' (Charge Depleting), then Test Result/Emission Names (TI-19) of 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), 'DT-EER' (Drive Trace Energy Economy Rating) are required; otherwise, they are optional.	(TI-19)

If Original Test Vehicle Model Year (VI-7) is greater than '2014' and Test Category (TI-43) equals 'FTP' (Federal Test Procedure), 'US06' (US06), 'SC03' (SC03), 'HWY' (Highway NOx), or 'CD' (Charge Depleting), then Test Result/Emission Names (TI-19) of 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), 'DT-EER' (Drive Trace Energy Economy Rating) are required; otherwise, they are optional.	(TI-19)
If Test Result/Emission Name (TI-19) equals 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), or 'DT-EER' (Drive Trace Energy Economy Rating), then Unrounded Test Result (TI-20) must be greater than or equal to -99.99 and less than or equal to 99.99; otherwise, Unrounded Test Result (TI-20) must be greater than or equal to 0.	(TI-20)
If Test Result/Emission Name (TI-19) equals 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), or 'DT-EER' (Drive Trace Energy Economy Rating), then Unrounded Test Result (TI-20) must be greater than or equal to -99.99 and less than or equal to 99.99; otherwise, Unrounded Test Result (TI-20) must be greater than or equal to 0.	(TI-20)
A Test Fuel Type (TI-9) value of '8' (Number 1 Fuel Oil) is not currently supported in Verify.	(TI-9)
If Process Code (TI-0.5) equals 'N' (New), then Test Fuel Type (TI-9) must not equal '1' (Indolene 30), '6' (EPA Unleaded Gasoline), '7' (Industrial Unleaded 100 Octane), '8' (Number 1 Fuel Oil), '9' (Cert Diesel 300 ppm Sulfur), '10' (Natural Gas), '24' (Cold CO Regular [Cert]), or '25' (Cold CO Premium [Cert]).	(TI-9)
If Test Fuel Type (TI-9) equals '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), '48' (Tier 3 E10 Regular Gasoline), '49' (Tier 3 E10 Premium Gasoline), '58' (Tier 3 E10 Regular Gasoline [10 RVP-FFV ORVR Only]), or '59' (Tier 3 E10 Premium Gasoline [10 RVP-FFV ORVR Only]), and Test Procedure (TI-8) equals '23' (FED Fuel 2 Day Evap [Butane]), '27' (CA Fuel 2 Day Evap [Butane Load]), '32' (FED Fuel Running Loss), '34' (FED Fuel 3 Day Evap [Butane Load]), '37' (CA Fuel Running Loss), '38' (CA Fuel 3 Day Evap [Butane Load]), '43' (FED Fuel 2 Day Evap [Heat to Load]), or '47' (CA Fuel 2 Day Evap [Heat to Load]), then E10 Evaporative Test Measurement Method (TI-24.5) is required.	(TI-24.5)
If the Manufacturer Code of the Submission Author Details does not equal 'LOD' or 'EPA', then E10 Evaporative Test Measurement Method (TI-24.5) must not equal 'FID-EPA' (Actual FID w/o Speciation [EPA Only]).	(TI-24.5)

If the Manufacturer Code of the Submission Author Details equals 'LOD' or 'EPA', and E10 Evaporative Test Measurement Method (TI-24.5) does not equal 'FID-EPA' (Actual FID w/o Speciation [EPA Only]), then E10 Evaporative Test Measurement Method (TI-24.5) must match the E10 Evaporative Test Measurement Method (TI-24.5) having the same Test Procedure (TI-8) and Test Fuel Type (TI-9) as a test that was reported by the manufacturer in the active Decision Information submission for the vehicle.	(TI-24.5)
If Test Procedure (TI-8) equals '65' (Evap Canister Bleed Test), '66' (Leak Test - Evap Fuel System OBD), '67' (Leak Test - Port Near Canister) or '68' (Leak Test - Port Near Fuel Pipe), then a Test Result/Emission Name (TI-19) equal to 'LEAK-DIA' (Effective Leak Diameter) must be included.	(TI-19)
If Test Procedure (TI-8) equals '69' (Leak Test - Evap Gas Cap), then a Test Result/Emission Name (TI-19) equal to 'LEAK-GAS CAP' (Gas Cap Leakage) must be included.	(TI-19)
If Test Procedure (TI-8) does not equal '2' (CVS 75 and Later [w/o Can. Load]), '21' (FED Fuel 2 Day Exh [Butane Load]), '25' (CA Fuel 2 Day Exh [Butane Load]), '31' (FED Fuel 3 Day Exh [Butane Load]), '35' (CA Fuel 3 Day Exh [Butane Load]), '41' (FED Fuel 2 Day Exh [Heat to Load]) or '45' (CA Fuel 2 Day Exh [Heat to Load]), then Test Result/Emission Name (TI-19) must not equal 'METHANE-COMB' (Combined CH4 for HD 2b/3 Vehicles Only) or 'N2O-COMB' (Combined Nitrous Oxide for HD 2b/3 Vehicles Only).	(TI-19)
The selected value for Analytically Derived FE/CREE Equivalent Test Weight (ETW) (TI-13.8) is not a valid value.	(TI-13.8)
The selected value for Fuel Economy Value Unit (TI-20.5) is not a valid value.	(TI-20.5)
The selected value for Test Procedure (TI-8) is not a valid value.	(TI-8)
The selected value for Retest Reason (TI-23) is not a valid value.	(TI-23)
The selected value for Test Result/Emission Name (TI-19) is not a valid value.	(TI-19)
If Drive Source (VI-10.5) is equal to 'Combustion Engine' and 'Electric Motor' then Hybrid Indicator (VI-10.6) equals "Yes", otherwise it equals "No".	(VI-10.6)
Manufacturer Code (VI-1) must exist in the system.	(VI-1)
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).	(VI-2) (VI-3) (VI-1)

The Original Test Vehicle Model Year (VI-7) must match the model year embedded in the Original Test Group Name (VI-5).	(VI-7) (VI-5)
The Original Test Vehicle Model Year (VI-7) must match the model year embedded in the Original Evaporative/Refueling Family Name (VI-6).	(VI-7) (VI-6)
The Manufacturer Code (VI-1) must match the manufacturer code embedded in the Original Test Group Name (VI-5).	(VI-1) (VI-5)
The Manufacturer Code (VI-1) must match the manufacturer code embedded in the Original Evaporative/Refueling Family Name (VI-6).	(VI-1) (VI-6)
The displacement embedded in the Original Test Group Name (VI-5) must be a valid number.	(VI-5)
The canister working capacity embedded in the Original Evaporative/Refueling Family Name (VI-6) must be a valid number.	(VI-6)
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.	(VI-24)
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.	(VI-25)
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.	(VI-25)
If Air Aspiration Method (VI-23) is equal to 'TC' (Turbocharged), 'SC' (Supercharged), 'TS' (Turbocharged and Supercharged) or 'OT' (Other), then Air Aspiration Device Configuration (VI-26) is required, otherwise it is not allowed.	(VI-26)
If Air Aspiration Device Configuration (VI-26) is equal to 'N' (Single), then Number of Air Aspiration Devices (VI-25) must be 1.	(VI-25)
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.	(VI-25)
Equivalent Test Weight (VI-30) must be greater than Curb Weight (VI-29).	(VI-30) (VI-29)
Gross Vehicle Weight Rating (VI-33) must be greater than Curb Weight (VI-29).	(VI-33) (VI-29)
If Transmission Type (VI-36) is equal to 'OT' (Other), then Transmission Type Other Description (VI-37) is required.	(VI-36) (VI-37)
If Transmission Type (VI-36) is equal to 'M' (Manual), then Transmission Lockup (VI-38) must be equal to 'N' (No).	(VI-38)
If Creeper Gear (VI-39) is equal to 'Y' (Yes), then Transmission Type (VI-36) must be equal to 'M' (Manual).	(VI-36)

If Transmission Type (VI-36) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (VI-40) must be equal to 1.	(VI-40)
If Air Aspiration Method (VI-23) is not equal to 'NA' (Naturally Aspirated) then Charge Air Cooler Type (VI-27) is required.	(VI-27)
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.	(VI-1)
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.	(VI-1)
If the Process Code (VI-0.5) is equal to 'N' (New) then the Vehicle Configuration Number (VI-3) is not allowed.	(VI-3)
If the Process Code (VI-0.5) is equal to 'C' (Correction) then the Vehicle Configuration Number (VI-3) is required.	(VI-3)
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).	(VI-0.5)
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).	(VI-2) (VI-3) (VI-1) (VI-0.5)
If Drive Source (VI-10.5) is equal to 'C' (Combustion Engine), then Fuel(s) (VI-11.1) can not equal 'EL' (Electricity).	(VI-11.1)
If Drive Source (VI-10.5) is equal to 'E' (Electric Motor), then Fuel(s) (VI-11.1) must equal 'EL' (Electricity), 'H' (Hydrogen), or 'M' (Methanol).	(VI-11.1)
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.	(VI-11.2)
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.	(VI-11.2)
If Drive Source (VI-10.5) equals 'C' (Combustion Engine) and more than one Fuel(s) (VI-11.1) selected is combustible (i.e., 'G' (Gasoline), 'D'(Diesel), 'M' (Methanol), 'E' (Ethanol), 'CNG' (Compressed Natural Gas), 'LNG' (Liquefied Natural Gas), or 'LPG' (Liquefied Petroleum Gas)), then Multiple Fuel Combustion - Separate Or Together (VI-11.3) is required, otherwise it is optional.	(VI-11.3)
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.	(VI-11.4)

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.	(VI-11.5)
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.	(VI-11.6)
If Rechargeable Energy Storage System (VI-11.6) equals 'OT' (Other), then the Rechargeable Energy Storage System, if 'Other' (VI-11.7) is required, otherwise it is optional.	(VI-11.7)
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.	(VI-11.8)
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.	(VI-43.5)
The selected value for Fuel(s) (VI-11.1) is not a valid value.	(VI-11.1)
The selected value for Rechargeable Energy Storage System (VI-11.6) is not a valid value.	(VI-11.6)
The selected value for Equivalent Test Weight Value (VI-30) is not a valid value.	(VI-30)
The selected value for Drive Source Identifier (VI-10.5) is not a valid value.	(VI-10.5)
The selected value for Light Duty Transmission Type Identifier (VI-36) is not a valid value.	(VI-36)
Each Fuel(s) (VI-11.1) may only be selected once per Drive Source (VI-10.5).	(VI-11.1)
Manufacturer Code (DI-1) must exist in the system.	(DI-1)
The Model Year (DI-5) must match the model year embedded in the Test Group (DI-7).	(DI-5) (DI-7)
The Model Year (DI-5) must match the model year embedded in the Evaporative/Refueling Family (DI-8).	(DI-5) (DI-8)
The Manufacturer Code (DI-1) must match the manufacturer code embedded in the Test Group (DI-7).	(DI-1) (DI-7)
The Manufacturer Code (DI-1) must match the manufacturer code embedded in the Evaporative/Refueling Family (DI-8).	(DI-1) (DI-8)
The displacement embedded in the Test Group (DI-7) must be a valid number.	(DI-7)
The canister working capacity embedded in the Evaporative/Refueling Family (DI-8) must be a valid number.	(DI-8)

If Process Code (DI-0.5) is equal to '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) and that is not in a state of 'Waived', 'Completed' or 'Deleted'.	(DI-3) (DI-4) (DI-1) (DI-5)
If Process Code (DI-0.5) is equal to 'R' (Report) 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).	(DI-3) (DI-4) (DI-1) (DI-5)
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).	(DI-3) (DI-4) (DI-1)
At least one Federal Exhaust Emission Standard Level (DI-9) or California Exhaust Standard Emission Standard Level (DI-10) must be selected.	(DI-9) (DI-10)
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.	(DI-15)
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.	(DI-25.3) (DI-25.4)
Test Number (DI-17.5) must exist in the system.	(DI-17.5)
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.	(DI-1)
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.	(DI-1)
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.	(DI-28)
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.	(DI-3) (DI-4) (DI-1) (DI-5)
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).	(DI-17.5) (TI-8)

If Test Number (DI-17.5) is valid, then the Manufacturer Code (TI-3), Vehicle ID (TI-4), and Vehicle Configuration Number (TI-5) combination for the test must be the same as the Decision Information combination (Manufacturer Code (DI-1), Vehicle ID (DI-3) and Vehicle Configuration Number (DI-4)) for which it was entered.	(DI-17.5)
If Process Code (DI-0.5) equals 'N' (New), then the test represented by the Test Number (DI-17.5) cannot have a Test Fuel Type (TI-9) equal to '1' (Indolene 30), '6' (EPA Unleaded Gasoline), '7' (Industrial Unleaded 100 Octane), '8' (Number 1 Fuel Oil), '9' (Cert Diesel 300 ppm Sulfur), '10' (Natural Gas), '24' (Cold CO Regular [Cert]), or '25' (Cold CO Premium [Cert]).	(DI-38.5)
If Model Year (DI-5) is greater than or equal to 2020, then Federal Exhaust Emission Standard Level (DI-9) cannot equal 'T3B110' (Federal Tier 3 Transitional Bin 110), 'T3B85' (Federal Tier 3 Transitional Bin 85), or 'T3SULEV30' (Federal Tier 3 Transitional LEV-II SULEV30 Carryover).	(DI-9)
If Model Year (DI-5) is greater than or equal to 2022, then Federal Exhaust Emission Standard Level (DI-9) cannot equal 'HDV2B395' (Federal Tier 3 HD Class 2b Transitional Bin 395), 'HDV2B340' (Federal Tier 3 HD Class 2b Transitional Bin 340), 'HDV3B630' (Federal Tier 3 HD Class 3 Transitional Bin 630), or 'HDV3B570' (Federal Tier 3 HD Class 3 Transitional Bin 570).	(DI-9)
If Model Year (DI-5) is greater than or equal to 2022, then Federal Evaporative Emission Standard Level (DI-11) cannot equal 'T3-3Z' [Federal Tier 3 LEV-III Zero Evap (Option 1) Carryover].	(DI-9)
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).	(SS-1) (SS-2) (SS-4) (SS-0.5)
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).	(SS-1) (SS-2) (SS-4) (SS-0.5)
Manufacturer Code (SS-4) must exist in the system.	(SS-4)
If Shift Action Code (SS-62) is equal to '99' (Alternative Shift Action), then Shift Point Screen (SS-63) is required.	(SS-63)
If the Process Code (SS-0.5) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (SS-4) of the dataset for which the report was requested.	(SS-4)

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.	(SS-4)
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).	(SS-1) (SS-2) (SS-4)
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).	(SS-60) (SS-59)
The Shift Point (SS-59) must be specified for all the entries or none of them.	(SS-59)
If Process Code (SI-0.5) is equal to '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) and for a Decision Information that is not in a state of 'Waived', 'Completed' or 'Deleted'.	(SI-2) (SI-3) (SI-1) (SI-3.5)
If Process Code (SI-0.5) is equal to 'R' (Report) 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).	(SI-2) (SI-3) (SI-1) (SI-3.5)
If Driver Selectable Transmission (SI-19) is equal to 'Y' (Yes), then Transmission Mode Tested Description (SI-20) is required.	(SI-20)
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.	(SI-39) (SI-40) (SI-41)
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).	(SI-2) (SI-3) (SI-1) (SI-3.5) (SI-41.5)
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).	(SI-2) (SI-3) (SI-1) (SI-3.5) (SI-41.5)
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.	(SI-1) (SI-46) (SI-47)
If Engine Type (SI-10) is equal to 'Other' (99), then Test Vehicle Information Comments (SI-55) (i.e., 'Supplemental Information Comments' on the web screen) are required.	(SI-55)

If Fuel (SI-56.5) is equal to 'D' (Diesel), then Upward Diesel Adjustment Factor (SI-93) is required.	(SI-93)
If Fuel (SI-56.5) is equal to 'D' (Diesel), then Downward Diesel Adjustment Factor (SI-94) is required.	(SI-94)
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.	(SI-1)
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.	(SI-1)
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) and that is not in a state of 'Waived', 'Completed' or 'Deleted'.	(SI-2) (SI-3) (SI-1) (SI-3.5)
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) and for a Decision Information that is not in a state of 'Waived', 'Completed' or 'Deleted'.	(SI-2) (SI-3) (SI-1) (SI-3.5)
Exhaust Certification/In-Use Code (SI-90) must equal 'C' (Certification).	(SI-90)
Evaporative Certification/In-Use Code (SI-97) must equal 'C' (Certification).	(SI-97)
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), '64' (Evap CARB Fuel Only [Rig] Test), '65' (Evap Canister Bleed Test), '66' (Leak Test - Evap Fuel System OBD), '67' (Leak Test - Port Near Canister), '68' (Leak Test - Port Near Fuel Pipe), or '69' (Leak Test - Evap Gas Cap), then the Shift schedule ID (SI-46) is optional. otherwise, it is required.	(SI-46)
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.	(SI-26) (SI-27)
If a Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) is equal to '2', '3', '11', '16', '21', '25', '90', '95', or '96' then at least one Exhaust Standard for the test procedure is required.	(SI-92) (SI-56) (SI-90) (SI-91) (SI-57A) (SI-56.5) (SI-92) (SI-60) (SI-59) (SI-62) (SI-58) (SI-58.5) (SI-58.6) (SI-63) (SI-64) (SI-93) (SI-94) (SI-65) (SI-67)
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.	(SI-98) (SI-96) (SI-97) (SI-57B) (SI-80) (SI-72) (SI-71) (SI-75) (SI-73) (SI-76)

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.	(SI-59)
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.	(SI-71)
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.	(SI-59)
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.	(SI-71)
The EPA Vehicle Class (SI-91) cannot be equal to 'LDVT' (LDV + LDT1) at the Exhaust Emission Standard Level.	(SI-91)
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.	(SI-37.5)
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.	(SI-37.6)
The following values for Test Result/Emission Name (SI-59) are not allowed within the Exhaust Standards section: 'CREE' (Carbon-Related Exhaust Emissions), 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions), 'AMP-HRS' (Integrated Amp-hours), 'START-SOC' (System Start State of Charge Watt-hours), 'END-SOC' (System End State of Charge Watt-hours), 'ACT-DISTANCE' (Actual Distance Driven (miles)), 'AS-VOLT' (Average System Voltage), 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), and 'DT-EER' (Drive Trace Energy Economy Rating).	(SI-59)
The following values for Test Result/Emission Name (SI-71) are not allowed within the Evaporative/Refueling Standards section: 'CREE' (Carbon-Related Exhaust Emissions), 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions), 'AMP-HRS' (Integrated Amp-hours), 'START-SOC' (System Start State of Charge Watt-hours), 'END-SOC' (System End State of Charge Watt-hours), 'ACT-DISTANCE' (Actual Distance Driven (miles)), 'AS-VOLT' (Average System Voltage), 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), and 'DT-EER' (Drive Trace Energy Economy Rating).	(SI-71)

If the Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) equals '11' (Cold CO), then within the related Vehicle Information, Target Coefficient A (VI-41), Target Coefficient B (VI-42), Target Coefficient C (VI-43), Set Coefficient A (VI-44), Set Coefficient B (VI-45), and Set Coefficient C (VI-46) are required for the Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'Cold-CO' (Cold CO).	(VI-41) (VI-42) (VI-43) (VI-44) (VI-45) (VI-46) (VI-40.5)
If the Test Category (TI-43) for the Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) equals 'US06' (Test Procedure equal to '16', '90', '96'), then within the related Vehicle Information, Target Coefficient A (VI-41), Target Coefficient B (VI-42), Target Coefficient C (VI-43), Set Coefficient A (VI-44), Set Coefficient B (VI-45), and Set Coefficient C (VI-46) are required for the Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'US06' (US06).	(VI-41) (VI-42) (VI-43) (VI-44) (VI-45) (VI-46) (VI-40.5)
If the Test Category (TI-43) for the Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) equals 'FTP' (Test Procedure equal to '2', '21', '25', '31', '35', '41', '45', '51', or '52'), 'HWY' (Test Procedure equal to '3') or 'EVAP' (Test Procedure equal to '23', '27', '34', '38', '43', or '47'), then within the related Vehicle Information, Target Coefficient A (VI-41), Target Coefficient B (VI-42), Target Coefficient C (VI-43), Set Coefficient A (VI-44), Set Coefficient B (VI-45), and Set Coefficient C (VI-46) are required for the Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'C-H-E' (City/Highway/Evap).	(VI-41) (VI-42) (VI-43) (VI-44) (VI-45) (VI-46) (VI-40.5)
If Primary Engine Cooling Fan Placement Code (SI-42) equals '20' (Road Speed Fan [width 31.5 in. x height 24 in.]), then Road Speed Fan Setup Specifications (SI-44.5) is required, otherwise it is not allowed.	(SI-44.5)
If Model Year (SI-3.5) is greater than or equal to 2020, then Exhaust Emission Standard Level (SI-57A) must not equal 'T3B110' (Federal Tier 3 Transitional Bin 110), 'T3B85' (Federal Tier 3 Transitional Bin 85), or 'T3SULEV30' (Federal Tier 3 Transitional LEV-II SULEV30 Carryover).	(SI-57A)
If Model Year (SI-3.5) is greater than or equal to 2022, then Exhaust Emission Standard Level (SI-57A) must not equal 'HDV2B395' (Federal Tier 3 HD Class 2b Transitional Bin 395), 'HDV2B340' (Federal Tier 3 HD Class 2b Transitional Bin 340), 'HDV3B630' (Federal Tier 3 HD Class 3 Transitional Bin 630), or 'HDV3B570' (Federal Tier 3 HD Class 3 Transitional Bin 570).	(SI-57A)
If Model Year (SI-3.5) is greater than or equal to 2022, then Evaporative/Refueling Standard Level (SI-57B) must not equal 'T3-3Z' (Federal Tier 3 LEV-III Zero Evap [Option 1] Carryover).	(SI-57B)

If the Test Procedure Code Selected for EPA Confirmatory Testing (SI-41.5) equals '9' (HWY80), '60' (AC17 - MANUAL A/C CONTROLS), '61' (AC17 - AUTOMATIC A/C CONTROLS), or '95' (SC03), then within the related Vehicle Information, Target Coefficient A (VI-41), Target Coefficient B (VI-42), Target Coefficient C (VI-43), Set Coefficient A (VI-44), Set Coefficient B (VI-45), and Set Coefficient C (VI-46) are required for the Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'C-H-E' (City/Highway/Evap).	(VI-40.5) (VI-41) (VI-42) (VI-43) (VI-44) (VI-45) (VI-46)
The selected value for Fuel(s) (SI-56.5) under Exhaust Emissions Standards is not a valid value.	(SI-56.5)
The selected value for Fuel(s) (SI-80) under Evaporative Emissions Standard is not a valid value.	(SI-80)
The selected value for Test Procedure (SI-41.5) under Supplemental Test Procedures is not a valid value.	(SI-41.5)
The selected value for Test Procedure (SI-92) under Exhaust Emissions Standard is not a valid value.	(SI-92)
The selected value for Test Procedure (SI-98) under Exhaust Emissions Standard is not a valid value.	(SI-98)
The selected value for Test Result (SI-59) under Exhaust Emissions Standard is not a valid value.	(SI-59)
The selected value for Test Result (SI-71) under Exhaust Emissions Standard is not a valid value.	(SI-71)
Manufacturer Code (CL-1) must exist in the system.	(CL-1)
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).	(CL-4) (CL-1) (CL-3) (CL-2)
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).	(CL-4) (CL-1) (CL-3) (CL-2)
For any submission, the Division Code (CL-3) must already exist in the system.	(CL-3)
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).	(CL-4) (CL-2) (CL-3)
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.	(CL-9) (CL-10)

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.	(CL-1)
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.	(CL-1)
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).	(CL-4)
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.	(CL-4) (CL-1) (CL-3) (CL-2)
If FE Label Carline Class Code (CL-5) is equal to '2' (Minicompact Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be less than 85.	(CL-9) (CL-10)
If FE Label Carline Class Code (CL-5) is equal to '3' (Subcompact Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 85 and less than 100.	(CL-9) (CL-10)
If FE Label Carline Class Code (CL-5) is equal to '4' (Compact Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 100 and less than 110.	(CL-9) (CL-10)
If FE Label Carline Class Code (CL-5) is equal to '5' (Midsize Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 110 and less than 120.	(CL-9) (CL-10)
If FE Label Carline Class Code (CL-5) is equal to '6' (Large Cars), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 120.	(CL-9) (CL-10)
If FE Label Carline Class Code (CL-5) is equal to '7' (Small Station Wagons), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be less than 130.	(CL-9) (CL-10)
If FE Label Carline Class Code (CL-5) is equal to '8' (Midsize Station Wagons), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 130 and less than 160.	(CL-9) (CL-10)

If FE Label Carline Class Code is equal to '9' (Large Station Wagons), then the sum of Average Passenger Volume (CL-9) and Average Luggage Volume (CL-10) (rounded to a tenth) must be greater than or equal to 160.	(CL-9) (CL-10)
If FE LABEL Carline Class Code (CL-5) equals '2', '3','4', '5', '6', '7', '8', or '9', then at least one of the following conditions must be met: 1) both 2-Door Passenger Volume (CL-11) and 2-Door Luggage Volume (CL-12) must not be equal to zero or NULL; or 2) both 4-Door Passenger Volume (CL-13) and 4-Door Luggage Volume (CL-14) must not be equal to zero or NULL; or 3) both Hatchback Passenger Volume (CL-15) and Hatchback Luggage Volume (CL-16) must not be equal to zero or NULL.	(CL-11) (CL-12) (CL-13) (CL-14) (CL-15) (CL-16)
If Model Year is less than or equal to '2012', then FE Label Carline Class Code (CL-5) cannot equal '30' (Small SUV 2WD), '31' (Small SUV 4WD), '32' (Standard SUV 2WD), or '33' (Standard SUV 4WD).	(CL-5)
If Model Year is greater than or equal to '2013', then FE Label Carline Class Code (CL-5) cannot equal '22' (SUV 2WD) or '23' (SUV 4WD).	(CL-5)
FE Label Carline Class Code (CL-5) is not allowed to equal '24' (Electric Vehicles).	(CL-5)
Warning: FE Label Carline Class Code (CL-5) equals '17' (Special Purpose Vehicle 2WD) or '18' (Special Purpose Vehicle 4WD) or '19' (Special Purpose Vehicle Cab Chassis). These Carline class codes are only allowed with prior EPA approval.	(CL-5)
If FE Label Carline Class Code (CL-5) is '7' (Small), '8' (Midsize), or '9' (Large Station Wagon), then Hatchback Passenger Volume (CL-15) and Hatchback Luggage Volume (CL-16) must be blank.	(CL-15) (CL-16)
The selected value for FE Label Carline Class Code (CL-5) is not a valid value.	(CL-5)
If Process Code (CR-0.5) is not equal to 'I' (Update Commerce Introduction Date), then a Test Group record must exist in the system for the same Test Group (CR-4) and Evaporative/Refueling Family Name (CR-5) and Model Year (CR-3).	(CR-4) (CR-5) (CR-3)
If Process Code (CR-0.5) is equal to 'I' (Update Commerce Introduction Date), then a Test Group record must exist in the system for the same Test Group (CR-4) and Model Year (CR-3).	(CR-4) (CR-3)
If Process Code (CR-0.5) is equal to 'I' (Update Commerce Introduction Date) then Commerce Introduction Date (CR-7) is required.	(CR-7)

If Process Code (CR-0.5) is equal to 'N' (New) or 'L' (Lock) then Commerce Introduction Date (CR-7), Meet All Applicable Standards Indicator (CR-9), Meet All Applicable Requirements Indicator (CR-10), OBD System Approval Indicator (CR-11), CARB Executive Order Issued Indicator (CR-12), ORVR System Approval Indicator (CR-14), Compliance Fee Paid Indicator (CR-15), No Defeat Device Indicator (CR-16), CAP2000 Conditional Certificate (CR-17), ICI Certificate Indicator (CR-18), and Alternate Fuel Converter Indicator (CR-19) are required.	(CR-7) (CR-9) (CR-10) (CR-11) (CR-12) (CR-14) (CR-15) (CR-16) (CR-17) (CR-18) (CR-19)
If Process Code (CR-0.5) is not equal to 'U' (Unlock) or 'L' (Lock), then Lock/Unlock Comment (CR-20) is not allowed.	(CR-20)
If Process Code (CR-0.5) is equal to 'L' (Lock) then New Certificate Needed (CR-21) is required.	(CR-21)
If CARB Executive Order Issued Indicator (CR-12) is equal to 'Y' (Yes) then CARB Executive Order Number (CR-13) is required.	(CR-13)
There cannot be a pending certificate request for this Test Group (CR-4) and Evaporative/Refueling Family (CR-5) in the system. The certificate must either be issued or denied before a new certificate request with Process Code (CR-0.5) equal to 'N' (New) can be submitted.	(CR-4) (CR-5)
This Test Group (CR-4) and Evaporative/Refueling Family (CR-5) combination has been marked as VOID. No new certificate requests with a Process Code (CR-0.5) of 'N' or a Revised Certificate Needed (CR-21) of 'Y' will be accepted.	(CR-4) (CR-5)
This rule does not cause the transaction to be rejected. However, this certificate request has been denied since at least one of Meet All Applicable Standards Indicator (CR-9), Meet All Applicable Requirements Indicator (CR-10), OBD System Approval Indicator (CR-11), CARB Executive Order Issued Indicator (CR-12), ORVR System Approval Indicator (CR-14), or No Defeat Device Indicator (CR-16) is equal to 'N' (No).	(CR-9) (CR-10) (CR-11) (CR-12) (CR-14) (CR-15) (CR-16)
When requesting a Certificate Request report Process Code (CR-0.5) equals 'R' (Report)), a Certificate Request record must exist with the same Test Group (CR-4), Evaporative/Refueling Family (CR-5), Model Year (CR-3), and Manufacturer Code (CR-1).	(CR-1) (CR-4) (CR-3) (CR-5)
Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CR-1) of the submitted dataset.	(CR-1)
Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CR-1) of the submitted dataset.	(CR-1)
Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CR-1) of the submitted dataset.	(CR-1)

The CSI report for this Test Group (CR-4) and Evaporative/Refueling Family (CR-5) combination shows failed tests.	(CR-4) (CR-5)
An Application for Certification document must have been submitted for this Test Group.	(CR-4)
If Process Code (CR-0.5) is equal to 'N' (New) or 'L' (Lock), the GHG Exempt Status (TG-216.7) is equal to 'NE' (Not Exempt) and Model Year (CR-3) is greater than or equal to '2012', then GHG Pre-Model Year Report Indicator (CR-22) is required, otherwise it is not allowed.	(CR-22)
If HD/GHG Indicator (TG-6.5) is 'Y' (Yes), then an HD-GHG 2b/3 Pre-Model Year Report must have been submitted for this Model Year (CR-3).	(CR-3)
If GHG Pre-Model Year Report Indicator (CR-22) is 'Y' (Yes), then an LD-GHG Pre-Model Year Report must have been submitted for this Model Year (CR-3).	(CR-3)
If Process Code (CR-0.5) is equal to 'N' (New) or 'I' (Update Commerce Introduction Date), then Model Year (CR-3) is not allowed to be more than one year earlier than the current calendar year.	(CR-3)
If Process Code (CR-0.5) is equal to 'L' (Lock Request) and the Model Year (CR-3) is more than one year earlier than the current calendar year, then New Certificate Needed (CR-21) must not equal 'Y' (Yes).	(CR-21)
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).	(EV-0.5)
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).	(EV-0.5)
The Manufacturer Code embedded in the Evaporative/Refueling Family Name (EV-1) must match the Submitter's Manufacturer Code (in Submission Author Details).	(EV-19) (EV-1)
The canister working capacity embedded in the Evaporative/Refueling Family (EV-1) must be a valid number.	(EV-1)
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).	(EV-1) (EV-1.5)
If Fuel Tank Material (EV-7) is equal to 'P' (Plastic) or 'OT' (Other) then Fuel Tank Material Description (EV-8) is required.	(EV-8)
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.	(EV-10.5)
If Number of Bleed Canisters (EV-15) is greater than '0' then Bleed Canister Total Working Capacity (EV-16) is required.	(EV-16)

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.	(EV-0.5) (EV-19)
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.	(EV-19)
Manufacturer Code (EV-19) must exist in the system.	(EV-19)
If the Process Code (EV-0.5) is 'C' (Correction) then there cannot be any locked and active Certificate Summary Information Reports (CSIs) which reference this Evaporative/Refueling Family Name (EV-1).	(EV-0.5) (EV-1)
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).	(EV-3.5)
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.	(EV-3.6)
The selected value for Multiple Fuel Storage (EV-3.6) is not a valid value.	(EV-3.6)
If Leak Family Indicator (EV-20) equals 'Y' (Yes), then Leak Family Identifier (EV-23) is required; otherwise, it is not allowed.	(EV-23)
Leak Family Standard (EV-26) must be less than or equal to 0.040.	(EV-26)
If Canister Bleed Test Indicator (EV-21) equals 'Y' (Yes), then Applicability of Evaporative Canister Bleed Test (EV-28) is required; otherwise, it is not allowed.	(EV-28)
If CARB Fuel Only (Rig) Test Indicator (EV-22) equals 'Y' (Yes), then Applicability of CARB Fuel Only (Rig) Test (EV-30) is required; otherwise, it is not allowed.	(EV-30)
The selected value for Fuel(s) (EV-3.5) is not a valid value.	(EV-3.5)
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).	(TG-2) (TG-6)
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).	(TG-2) (TG-6)
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).	(TG-2) (TG-6)
If CSI Type (TG-4) equals 'R' (Running Change) then Running Change Reference Number (TG-5) is required.	(TG-5)

The Model Year (TG-6) must match the model year embedded in the Test Group Name (TG-2).	(TG-6) (TG-2)
The Manufacturer Code (TG-1) must match the manufacturer code embedded in the Test Group (TG-2).	(TG-1) (TG-2)
The displacement embedded in the Test Group (TG-2) must be a valid number.	(TG-2)
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).	(TG-9)
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.	(TG-10)
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).	(TG-11)
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).	(TG-14)
The Vehicle Class (TG-205) cannot be equal to 'LDVT' (LDV + LDT1) at the Test Group Exhaust Emission Standard Level.	(TG-205)
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).	(TG-14)
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).	(TG-22)
If Hybrid Type (TG-26) is equal to 'OT' (Other) then Hybrid Type Other Description (TG-27) must be present.	(TG-27)
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.	(TG-29)
If Engine Block Arrangement (TG-30) is equal to 'OT' (Other) then Engine Block Arrangement Description if Other (TG-31) is required.	(TG-31)
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 Displacement (TG-38) and Air Aspiration Method (TG-47) are required.	(TG-38) (TG-47)

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.	(TG-39) (TG-41) (TG-43) (TG-45) (TG-46)
If Cylinder Deactivation (TG-39) is equal to 'Y' (Yes) then Cylinder Deactivation Description (TG-40) is required.	(TG-40)
If Variable Valve Timing (TG-41) is equal to 'Y' (Yes) then Variable Valve Timing System Description (TG-42) is required.	(TG-42)
If Variable Valve Lift (TG-43) is equal to 'Y' (Yes) then Variable Valve Lift System Description (TG-44) is required.	(TG-44)
If Air Aspiration Device Method (TG-47) is equal to 'OT' (Other) then Air Aspiration Method If Other (TG-50) is required.	(TG-50)
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.	(TG-58)
If Substrate Construction (TG-60) is equal to 'OT' (Other) then Substrate Construction Other Description (TG-102) is required.	(TG-102)
If Air Fuel Sensor Type (TG-63) is equal to 'OT' (Other) then Air Fuel Sensor Type Other (TG-64) is required.	(TG-64)
If Energy Storage Device (TG-77) is equal to 'OT' (Other) then Energy Storage Device If Other (TG-78) is required.	(TG-78)
A Capacitor Rating (TG-87) must be present for each capacitor identified in the Number of Capacitors (TG-86).	(TG-87)
If Regenerative Braking Type (TG-90) is equal to 'OT' (Other) then Regenerative Braking Type Other Description (TG-91) is required.	(TG-91)
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.	(TG-92) (TG-93)
If Hybrid Type (TG-26) is equal to 'EM' (IC Engine/Electric Motor) then Number of Drive Motor Generators (TG-94) is required.	(TG-94)
If Motor Generator Type (TG-95) is equal to 'OT' (Other) then Other Motor Generator Type Other Description (TG-96) is required.	(TG-96)

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:	(TG-95) (TG-97)
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.	(TG-100)
The provided Evaporative Test Number(s) (TG-202) must exist in the system.	(TG-202)
If SFTP Federal Compliance Identifier (TG-216.8) does not equal 'NA' (Not Applicable) and Test Group Fuel (TG-217.1) equals fuel other than 'EL' (Electricity) or 'HYD' (Hydraulic), then FTP Test number (for SFTP Composite Calculation) (TG-217) is required.	(TG-217)
If SFTP Federal Compliance Indicator (TG-216.8) does not equal 'NA' (Not Applicable), 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).	(TG-217)
If the SFTP Federal Compliance Identifier (TG-216.8) does not equal 'NA' (Not Applicable), 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) = 16, 90, and 96).	(TG-218)
If the SFTP Federal Compliance Identifier (TG-216.8) does not equal 'NA' (Not Applicable), then the provided SC03 Test Number (TG-219) must exist in the system with a Test Category (TI-43) of 'SC03' (Test Procedures (TI-8) = 95).	(TG-219)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'NA' (Not Applicable), then the SFTP Tier 2 Composite CO Option (TG-216.9) must not equal 'Y' (Yes).	(TG-216.9)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER2' (Tier 2), then the Official FTP Test Number (TG-217) must identify a test that has HC-NM (Non-Methane Hydrocarbon) and NOX (Nitrogen Oxides) emission results (TI-19).	(TG-217) (TI-19)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER2' (Tier 2), then the Official US06 Test Number (TG-218) must identify a test that has HC-NM (Non-Methane Hydrocarbon) and NOX (Nitrogen Oxides) emission results (TI-19).	(TG-218) (TI-19)

If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER2' (Tier 2), then the Official SC03 Test Number (TG-219) must identify a test that has HC-NM (Non-Methane Hydrocarbon) and NOX (Nitrogen Oxides) emission results (TI-19).	(TG-219) (TI-19)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3) or the SFTP Tier 2 Composite CO Option (TG-216.9) equals 'Y' (Yes), then the FTP test number (TG-217) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).	(TG-217)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3) or the SFTP Tier 2 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).	(TG-218)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3) or the SFTP Tier 2 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).	(TG-219)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER2' (Tier 2), 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 + Nitrogen Oxides SFTP Composite).	(TG-209)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER2' (Tier 2), 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).	(TG-200.5) (TG-210) (TG-217)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER2' (Tier 2), 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).	(TG-200.5) (TG-210) (TG-217)

If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3) or the SFTP Tier 2 Composite CO Option (TG-216.9) is 'Y' (Yes) or the SFTP LEV-III Compliance Indicator (TG-261) equals '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).	(TG-209)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3) or the SFTP Tier 2 Composite 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).	(TG-200.5) (TG-210) (TG-217)
If the SFTP LEV-III Compliance Indicator (TG-261) equals '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 Official SFTP LEV-III FTP Test Number (TG-263).	(TG-200.5) (TG-210) (TG-263)
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).	(TG-200.5) (TG-210) (TG-217)
If the Manufacturer Code (TG-300) of the owner of the 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.	(TG-300)
If Transmission Type (TG-307) is equal to 'OT' (Other) then Other Transmission Type Description (TG-308) is required.	(TG-308)
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.	(TG-1)
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.	(TG-1)

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.	(TG-48)
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.	(TG-48)
If Air Aspiration Device Configuration (TG-49) is equal to 'N' (Single), then Number of Air Aspiration Devices (TG-48) must be 1.	(TG-48)
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).	(TG-48)
If Fuel (TG-204) is equal to 'D' (Diesel), then Upward Diesel Adjustment Factor (TG-215.5) is required.	(TG-215.5)
If Fuel (TG-204) is equal to 'D' (Diesel), then Downward Diesel Adjustment Factor (TG-215.6) is required.	(TG-215.6)
The Manufacturer Code embedded in the Test Group Name (TG-2) must match the Submitter's Manufacturer Code (in Submission Author Details).	(TG-2)
If the SFTP Federal Compliance Identifier (TG-216.8) is 'TIER2' (Tier 2) 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).	(TG-217)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER2' (Tier 2) 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).	(TG-218)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER2' (Tier 2), 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).	(TG-219)

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.	(TG-201)
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.	(TG-201)
If Air Aspiration Method (TG-47) is not equal to 'NA' (Naturally Aspirated) then Charge Air Cooler Type (TG-51) is required.	(TG-51)
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).	(TG-2) (TG-3) (TG-6)
The provided Exhaust Test Number(s) (TG-202.5) must exist in the system.	(TG-202.5)
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.	(TG-302) (TG-300) (TG-301) (TG-6)
The provided Evaporative/Refueling Family (TG-3) and Model Year (TG-6) must exist in the system for this Manufacturer Code (TG-1).	(TG-1) (TG-3) (TG-6)
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.	(TG-202.5)
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.	(TG-202)

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.	(TG-225) (TG-225) (TG-221)
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.	(TG-225) (TG-225) (TG-221)
If Transmission Type (TG-307) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (TG-311) must equal '1'.	(TG-311)
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.	(TG-209)
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.	(TG-225)
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.	(TG-209)
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.	(TG-225)
If the Process Code (TG-0.5) is 'C' (Correction) then there cannot be any locked and active Certificate Summary Information Reports (CSIs) which reference this Test Group Name (TG-2).	(TG-2)

If the Certification Region Code (TG-200) is 'FA' (Federal) and the Exhaust Emission Standard Level (TG-201) is not equal to 'OT' (Other), then the Exhaust Emission Standard Level (TG-201) should be a Federal Standard (B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, HDV1, HDV2, T1, If the Certification Region Code (TG-200) is 'FA' (Federal) and the Exhaust Emission Standard Level (TG-201) is not equal to 'OT' (Other), then the Exhaust Emission Standard Level (TG-201) should be a Federal Standard (B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, HDV1, HDV2, T1, T3B160, T3B125, T3B110, T3B85, T3SULEV30, T3B70, T3B50, T3B30, T3B20, T3B0, HDV2B395, HDV2B340, HDV2B250, HDV2B170, HDV2B150, HDV2B0, HDV3B630, HDV3B570, HDV3B400, HDV3B270, HDV3B230, HDV3B200, HDV3B0).	(TG-201)
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)	(TG-4)
Each Evaporative Family Name (TG-3) entered must be a unique value.	(TG-3)
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).	(TG-7.2)
If Drive Source (TG-7.1) equals "C" (Combustion Engine), then Fuel(s) (TG-7.3) can not equal "EL" (Electricity).	(TG-7.3)
If Drive Source (TG-7.1) equals "E" (Electric Motor), Fuel(s) (TG-7.3) must equal "EL" (Electricity), "H" (Hydrogen), or "M" (Methanol).	(TG-7.3)
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.	(TG-7.4)
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.	(TG-7.4.1)
All values for CREE Weighting Factor for Dual/Multiple Fuel Vehicles (TG-7.5) must sum to 1.	(TG-7.5)
If Drive Source (TG-7.1) equals 'C' (Combustion Engine) and more than one fuel is selected for Fuel(s) (TG-7.3), then Multiple Fuel Storage - Separate Or Together (TG-7.6) is required, otherwise it is not allowed.	(TG-7.6)
If Drive Source (TG-7.1) equals 'C' (Combustion Engine) and more than one fuel is selected for Fuel(s) (TG-7.3), then Multiple Fuel Storage - Separate Or Together (TG-7.6) is required, otherwise it is not allowed.	(TG-7.6)

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)), then Multiple Fuel Combustion - Separate or Together (TG-7.7) is required. Otherwise, it is optional.	(TG-7.7)
If Drive Source (TG-7.1) equals 'E' (Electric Motor), then Fuel Cell Indicator (TG-7.8) is required. Otherwise, it is optional.	(TG-7.8)
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.	(TG-7.9)
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.	(TG-8.3)
If Drive Source (TG-7.1) equals 'E' (Electric Motor) then Rechargeable Energy Storage System (TG-77) is required, otherwise it is not allowed.	(TG-77)
If Hybrid Indicator (TG-7.2) equals 'Y' (Yes), then Hybrid Type (TG-26) is required. Otherwise, not allowed.	(TG-26)
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Engine Type (TG-28) is required.	(TG-28)
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), or 'RT' (Rotary), then Engine Block Arrangement (TG-30) is required.	(TG-30)
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), or 'RT' (Rotary), then Number of Cylinders/Rotors (TG-32) is required.	(TG-32)
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Total Number Of After Treatment Devices(ATDs) (TG-53) is required. Otherwise, it is not allowed.	(TG-53)
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), Battery Type (TG-79) is required. Otherwise not allowed.	(TG-79)
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.	(TG-80)
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Number Of Battery Packs (not cells) (TG-81) is required.	(TG-81)
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Total Voltage Of Battery Pack(s) (TG-82) is required.	(TG-82)

If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Battery Energy Capacity (TG-83) is required.	(TG-83)
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Battery Specific Energy (TG-84) is required.	(TG-84)
If Rechargeable Energy Storage System (TG-77) equals 'B' (Battery(s)), then Battery Charger Type (TG-85) is required.	(TG-85)
If Rechargeable Energy Storage System (TG-77) equals 'C' (Capacitor), then Number Of Capacitors (TG-86) is required.	(TG-86)
If Rechargeable Energy Storage System (TG-77) equals 'C' (Capacitor), then Capacitor Rating In Farads (TG-87) is required.	(TG-87)
If Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes), then Fuel Cell Description (TG-98) is required; otherwise, it is not allowed.	(TG-98)
If Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes), then Fuel Cell Description (TG-98) is required; otherwise, it is not allowed.	(TG-98)
If Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes) and Fuel(s)(TG.7.3) equals 'H' (Hydrogen), then Fuel Cell On-Board H2 Storage Capacity (TG-99) is required, otherwise it is not allowed.	(TG-99)
If Fuel Cell Indicator (TG-7.8) equals 'Y' (Yes) and Fuel(s)(TG.7.3) equals 'H' (Hydrogen), then Fuel Cell On-Board H2 Storage Capacity (TG-99) is required, otherwise it is not allowed.	(TG-99)
Official FTP Test Number (TG-217) must exist in Verify.	(TG-217)
The Test 5-Cycle Category (TI-45) of the test entered in Official FTP Test Number (TG-217) must equal 'FTP75' (Test Procedures (TI-8) = 2, 21, 25, 31, 35, 41, and 45).	(TG-217)
If Hybrid Indicator (TG-7.2) equals 'Y' (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).	(TG-217)
Official SC03 Test Number (TG-219) must exist in Verify.	(TG-219)
The Test 5-Cycle Category (TI-45) of the test entered in Official SC03 Test Number (TG-219) must equal 'SC03'.	(TG-219)
Official Cold CO Test Number must exist in Verify.	(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'.	(TG-219.1)
Official Highway Test Number (TG-219.2) must exist in Verify.	(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'.	(TG-219.2)
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.	(TG-219.3.2)
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.	(TG-219.3.2)
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.	(TG-219.3.2)
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.	(TG-219.4.2)
Official US06 Test Number (TG-218) must exist in Verify.	(TG-218)
The Test 5-Cycle Category (TI-45) of the test entered in Official US06 Test Number (TG-218) must equal 'US06'.	(TG-218)
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.)	(TG-7.3) (TG-217.1)

Each Test Group Fuel(s) (TG-217.1) selected for Official Test Numbers, must also be selected at least once for Fuel(s) (TG-7.3) for Drive Source. (Fuel <value> was selected for Official Test Numbers but not for Drive Source.)	(TG-7.3) (TG-217.1)
The following values for Test Result/Emission Name (TG-225) are not allowed within the Evaporative Emission Standards section: 'AMP-HRS' (Integrated Amp-hours), 'START-SOC' (System Start State of Charge Watt-hours), 'END-SOC' (System End State of Charge Watt-hours), 'ACT-DISTANCE' (Actual Distance Driven (miles)), 'AS-VOLT' (Average System Voltage), 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), and 'DT-EER' (Drive Trace Energy Economy Rating).	(TG-225)
If Drive Source (TG-7.1) only equals 'C' (Combustion Engine) and one of the selected values for Fuel(s) (TG-7.3) for that Drive Source equals 'Hyd' (Hydraulic), then Hybrid Indicator (TG-7.2) equals 'Yes'; otherwise, Hybrid Indicator (TG-7.2) should be 'N' (No).	(TG-7.2)
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Camless Valvetrain Indicator (TG-32.5) is required.	(TG-32.5)
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Oil Viscosity/Classification (TG-32.6) is required.	(TG-32.6)
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Engine Rated Horsepower (TG-37) is required; otherwise it is not allowed.	(TG-37)
If Drive Source (TG-7.1) equals 'C' (Combustion Engine), then Engine Rated Horsepower (TG-37) is required; otherwise it is not allowed.	(TG-37)
If Total Number of After Treatment Devices (ATDs) (TG-53) is not equal to '0', then ATD Number (TG-55) and ATD Type (TG-56) is required; otherwise, not allowed.	(TG-55) (TG-56)
If ATD Type (TG-56) is not ('DPF' (Diesel Particulate Filter) or 'SCR' (Selective Catalytic Reduction)), then ATD Precious Metal Type (TG-57) is required.	(TG-57)
If ATD Precious Metal Type (TG-57) is not 'OT' (Other), then Substrate Material (TG-59) and Substrate Construction (TG-60) is required.	(TG-59) (TG-60)
If Drive Source (TG-7.1) is equal to 'C' (Combustion Engine), then Number of Air/Fuel Sensors (TG-61) is required. Otherwise, it is not allowed.	(TG-61)
If Drive Source (TG-7.1) is equal to 'C' (Combustion Engine), then Number of Air/Fuel Sensors (TG-61) is required. Otherwise, it is not allowed.	(TG-61)
If Number of Air/Fuel Sensors (TG-61) is not equal to '0' then Air/Fuel Sensor Type (TG-63) is required; otherwise, it is not allowed.	(TG-63)

If Model Year (TG-6) is greater than or equal to '2012', then GHG Exempt Status (TG-216.7) is required. Otherwise, it is not allowed.	(TG-216.7)
If Drive Source (TG-7.1) is equal to 'C' (Combustion Engine), then Number of Knock Sensors (TG-65) should be required; otherwise, it is not allowed.	(TG-65)
If Drive Source (TG-7.1) is equal to 'C' (Combustion Engine), then Number of Knock Sensors (TG-65) should be required; otherwise, it is not allowed.	(TG-65)
The following values for Test Result/Emission Name (TG-209) are not allowed within the Exhaust Emission Standards section: 'AMP-HRS' (Integrated Amp-hours), 'START-SOC' (System Start State of Charge Watt-hours), 'END-SOC' (System End State of Charge Watt-hours), 'ACT-DISTANCE' (Actual Distance Driven (miles)), 'AS-VOLT' (Average System Voltage), 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), and 'DT-EER' (Drive Trace Energy Economy Rating).	(TG-209)
When requesting a CSI Report the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (TG-1) of the engine family for which the report was requested.	(TG-1)
If Air Aspiration Method (TG-47) is not equal to 'NA' (Naturally Aspirated), then Number of Air Aspiration Devices (TG-48) and Air Aspiration Device Configuration (TG-49) are required.	(TG-48) (TG-49)
If Hybrid Type (TG-26) is equal to 'EH' (IC Engine/Hydraulic), then Hydraulic System Description (TG-89) is required.	(TG-89)
LD-CERT-TG-BR181 - The Number Of After Treatment Devices (ATDs) (TG-53) and the number of ATD data sets submitted must be equal.";	(TG-53)
LD-CERT-TG-BR182 - The Number of Air/Fuel Sensors (TG-61) and the number of Air/Fuel Sensor Types submitted must be equal.	(TG-61)
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 Highway Litmus Value (TG-219.4.1) is required, otherwise not allowed.	(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 Highway Litmus Value (TG-219.4.1) is required, otherwise not allowed.	(TG-219.3.1)
If the Official SC03 Test Number (TG-219) is not null (or blank) then Verify Calculated Rounded Adjusted Fuel Economy must be present for the test number entered. The test number specified for Official SC03 Test Number (TG-219) will need to be resubmitted to allow Verify to perform this calculation.	(TG-219)
If Official Charge Depleting Highway Test Number (TG-219.4) is entered, then its associated Test Procedure (TI-8) must be equal to '84' (Charge Depleting Highway).	(TG-219.4) (TI-8)
If Official Charge Depleting UDDS Test Number (TG-219.3) is entered, then its associated Test Procedure (TI-8) must be equal to '81' (Charge Depleting UDDS).	(TG-219.3) (TI-8)
If GHG Exempt Status (TG-216.7) equals 'NE' (Not Exempt) and HD GHG 2b/3 Indicator (TG-6.5) equals 'N' (No), then a Test Result/Emission Name (TG-209) in the 'Exhaust Emission Standards' section equal to either 'CREE' (Carbon-Related Exhaust Emissions) or 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) must exist and is required to include either an Additive DF (TG-214) or a Multiplicative DF (TG-215), otherwise it is not allowed.	(TG-209) (TG-214) (TG-215)
If the Model Year (TG-6) is greater than or equal to 2012 and if the Exhaust Test Number (TG-202.5) has a Test 5-Cycle Category (TI-45) of 'FTP75' or 'HWY', then that Exhaust Test Number (TG-202.5) must have a Rounded Adjusted CREE (TI-19.4) or Rounded Adjusted OPT-CREE (TI-19.8). The test number specified will need to be resubmitted to allow Verify to perform this calculation.	(TG-202.5) (TI-19.4) (TI-19.8)
If there exists any Official Test Number(s), then each of the Test Number(s) must be entered as an Exhaust Test Number (TG-202.5).	(TG-217) (TG-217.1) (TG-218) (TG-219) (TG-219.1) (TG-219.2)
If there exists any Charge Depleting Official Test Number(s), then each of the Test Number(s) must be entered as an Exhaust Test Number (TG-202.5).	(TG-217.1) (TG-219.2) (TG-219.3)

The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official FTP Test Number (TG-217) must not equal 'Y'.	(TG-217)
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official US06 Test Number (TG-218) must not equal 'Y'.	(TG-218)
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official SC03 Test Number (TG-219) must not equal 'Y'.	(TG-219)
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official Cold CO Test Number (TG-219.1) must not equal 'Y'.	(TG-219.1)
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official Highway Test Number (TG-219.2) must not equal 'Y'.	(TG-219.2)
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official Charge Depleting UDDS Test Number (TG-219.3) must not equal 'Y'.	(TG-219.3)
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official Charge Depleting Highway Test Number (TG-219.4) must not equal 'Y'.	(TG-219.4)
If Oil Viscosity/Classification (TG-32.6) contains "GF" then the minimum field length must be 6 characters. For example, an entry of "GF-4" would be rejected, however an entry of "GF-4 0W30" would not be rejected.	(TG-32.6)
If Oil Viscosity/Classification (TG-32.6) contains 'GF', then the minimum field length must be 6 characters.	(TG-32.6)
The minimum field length of Oil Viscosity/Classification (TG-32.6) must be 4 characters.	(TG-32.6)
If Model Year (TG-6) is greater than or equal to '2014' and at least one EPA Vehicle Class (TG-16) equals 'HDV1' (HDV1 (Federal HD chassis Class 2b GVW 8501-10000)) or 'HDV2' (HDV2 (Federal HD chassis Class 3 GVW 10001-14000)), then HD GHG 2b/3 Indicator (TG-6.5) must equal 'Y' (Yes).	(TG-6.5)
If HD GHG 2b/3 Indicator (TG-6.5) equals 'Y' (Yes), then at least one EPA Vehicle Class (TG-16) must equal 'HDV1' (HDV1 (Federal HD chassis Class 2b GVW 8501-10000)) or 'HDV2' (HDV2 (Federal HD chassis Class 3 GVW 10001-14000)).	(TG-16)
If GHG Exempt Status (TG-216.7) equals 'NE' (Not Exempt) and HD GHG 2b/3 Indicator (TG-6.5) equals 'Y' (Yes), then a Test Result/Emission Name (TG-209) in the 'Exhaust Emission Standards' section equal to 'CO2' (Carbon Dioxide) must exist and is required to include either an Additive DF (TG-214) or a Multiplicative DF (TG-215), otherwise it is not allowed.	(TG-209) (TG-214) (TG-215)

If HD GHG 2b/3 Indicator (TG-6.5) equals 'Y' (Yes), then a Test Result/Emission Name (TG-209) in the 'Exhaust Emission Standards' section equal to either 'CREE' (Carbon-Related Exhaust Emissions) or 'OPT-CREE' (Optional Carbon-Related Exhaust Emissions) must not exist.	(TG-209)
If Model Year (TG-6) is greater than or equal to 2020, then Exhaust Emission Standard Level (TG-201) must not equal 'T3B110' (Federal Tier 3 Transitional Bin 110), 'T3B85' (Federal Tier 3 Transitional Bin 85), or 'T3SULEV30' (Federal Tier 3 Transitional LEVII-SULEV30 Carryover).	(TG-201)
If Model Year (TG-6) is greater than or equal to 2022, then Exhaust Emission Standard Level (TG-201) must not equal 'HDV2B395' (Federal Tier 3 HD Class 2b Transitional Bin 395), 'HDV2B340' (Federal Tier 3 HD Class 2b Transitional Bin 340), 'HDV3B630' (Federal Tier 3 HD Class 3 Transitional Bin 630), or 'HDV3B570' (Federal Tier 3 HD Class 3 Transitional Bin 570).	(TG-201)
If Model Year (TG-6) is greater than or equal to 2022, then Evaporative/Refueling Standard Level (TG-224) must not equal 'T3-3Z' (Federal Tier 3 LEV-III Zero Evap [Option 1] Carryover).	(TG-224)
If SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes) and Test Group Fuel - SFTP LEV-III (TG-262) equals fuel other than 'EL' (Electricity) or 'HYD' (Hydraulic), then Official SFTP LEV-III FTP Test Number (TG-263) is required.	(TG-263)
Each Test Group Fuel - SFTP LEV-III (TG-262) selected for Official Test Numbers, must also be selected at least once for Fuel(s) (TG-7.3) for Drive Source. (Fuel <value> was selected for Official Test Numbers but not for Drive Source.)	(TG-7.3) (TG-262)
If there exists any Official SFTP LEV-III Test Number(s), then each of the Test Number(s) must be entered as an Exhaust Test Number (TG-202.5).	(TG-202.5)
If SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the provided Official SFTP LEV-III FTP Test Number (TG-263) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).	(TG-263)
If SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3) or SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then there must be at least one exhaust emission standard with the Test Result/Emission Name (TG-209) of 'NMOG+NOX-COMP' (Non-Methane Organic Gas + Nitrogen Oxides SFTP Composite).	(TG-209)

If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then for each NMOG+NOX-COMP (Non-Methane Organic Gases + NOx SFTP Composite) emission standard, there must also be NOX (Nitrogen Oxides) exhaust emission standards with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the NMOG+NOX-COMP standard, and the same test procedure as the test identified by the Official FTP Test Number (TG-217).	(TG-200.5) (TG-210) (TG-217)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then for each NMOG+NOX-COMP (Non-Methane Organic Gases + NOx SFTP Composite) emission standard, there must also be an NMOG (Non-Methane Organic Gases) exhaust emission standard with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the NMOG+NOX-COMP standard, and the same test procedure as the test identified by the Official FTP Test Number (TG-217).	(TG-200.5) (TG-210) (TG-217)
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then for each NMOG+NOX-COMP (Non-Methane Organic Gases + NOx SFTP Composite) emission standard, there must also be NOX (Nitrogen Oxides) exhaust emission standards with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the NMOG+NOX-COMP standard, and the same test procedure as the test identified by the Official SFTP LEV-III FTP Test Number (TG-263).	(TG-200.5) (TG-210) (TG-263)
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then for each NMOG+NOX-COMP (Non-Methane Organic Gases + NOx SFTP Composite) emission standard, there must also be an NMOG (Non-Methane Organic Gases) exhaust emission standard with the same Cert/In Use Code (TG-200.5) and Useful Life (TG-210) as the NMOG+NOX-COMP standard, and the same test procedure as the test identified by the Official SFTP LEV-III FTP Test Number (TG-263).	(TG-200.5) (TG-210) (TG-263)
Official SFTP LEV-III FTP Test Number (TG-263) must exist in Verify.	(TG-263)
The Test 5-Cycle Category (TI-45) of the test entered in Official SFTP LEV-III FTP Test Number (TG-263) must equal 'FTP75' (Test Procedures (TI-8) = 2, 21, 25, 31, 35, 41, and 45).	(TI-45) (TG-263)
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III US06 Test Number (TG-264) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).	(TI-19) (TG-264)
Official SFTP LEV-III US06 Test Number (TG-264) must exist in Verify.	(TG-264)

The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official SFTP LEV-III FTP Test Number (TG-263) must not equal 'Y' (Yes).	(TG-263)
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official SFTP LEV-III US06 Test Number (TG-264) must not equal 'Y' (Yes).	(TG-264)
The Analytically-Derived FE (ADFE) Indicator (TI-13.5) of the test entered in Official SFTP LEV-III SC03 Test Number (TG-265) must not equal 'Y' (Yes).	(TG-265)
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the provided SC03 Test Number (TG-219) must exist in the system with a Test Category (TI-43) of 'SC03' (Test Procedure (TI-8) = 95).	(TG-219)
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III SC03 Test Number (TG-265) must identify a test that has CO (Carbon Monoxide) emission results (TI-19).	(TI-19) (TG-265)
Official SFTP LEV-III SC03 Test Number (TG-265) must exist in Verify.	(TG-265)
If Hybrid Indicator (TG-7.2) equals 'Y' (Yes), then Official SFTP LEV-III FTP Test Number (TG-263) cannot be 3-bag emission tests (Associated Test Result/Emission Name (TI-19) of 'FE Bag 3' present and 'FE Bag 4' not present).	(TG-263)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then the Official FTP Test Number (TG-217) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).	(TG-217) (TI-19)
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III FTP Test Number (TG-263) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).	(TG-263) (TI-19)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then the Official US06 Test Number (TG-218) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).	(TG-218) (TI-19)

If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III US06 Test Number (TG-264) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).	(TG-264) (TI-19)
If the SFTP Federal Compliance Identifier (TG-216.8) equals 'TIER3' (Tier 3), then the Official SC03 Test Number (TG-219) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).	(TG-219) (TI-19)
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the Official SFTP LEV-III SC03 Test Number (TG-265) must identify a test that has NOX (Nitrogen Oxides) emission results (TI-19) and either NMOG (Non-Methane Organic Gases) or HC-NM (Non-Methane Hydrocarbon) emission results (TI-19).	(TG-265) (TI-19)
If the Official SFTP LEV-III SC03 Test Number (TG-265) is not null (or blank) then Verify Calculated Rounded Adjusted Fuel Economy must be present for the test number entered. The test number specified for Official SFTP LEV-III SC03 Test Number (TG-265) will need to be resubmitted to allow Verify to perform this calculation.	(TG-265)
If the SFTP LEV-III Compliance Indicator (TG-261) equals 'Y' (Yes), then the provided Official SFTP LEV-III US06 Test Number (TG-264) must exist in the system with a Test Category (TI-43) of 'US06' (Test Procedures (TI-8) = 16, 90, and 96).	(TG-264)
LD-CERT-TG-GBR001 - If no Drive Source (TG-7.1) equals 'C' (Combustion Engine) then Number of 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), Direct Ozone Reduction Device (TG-74), DOR Device Other Description (TG-75), Emission Control Device Comments (TG-76)) and Substrate Construction Other Description (TG-102) are not allowed.	(TG-53) (TG-54) (TG-55) (TG-56) (TG-57) (TG-58) (TG-59) (TG-60) (TG-74) (TG-75) (TG-76) (TG-102)

LD-CERT-TG-GBR002 - If no Drive Source (TG-7.1) equals 'C' (Combustion Engine) then Hybrid Type (TG-26), Hybrid Type Description if Other (TG-27), Engine Type (TG-28), Engine Type Description (TG-29), Engine Block Arrangement (TG-30), Engine Block Arrangement Description if Other (TG-31), Number of Cylinders/Rotors (TG-32), Camless Valvetrain Indicator (TG-32.5), Oil Viscosity/Classification (TG-32.6), Engine Configuration Number (TG-36), Engine Rated Horsepower (TG-37), Engine Displacement (TG-38), Cylinder Deactivation (TG-39), Cylinder Deactivation Description (TG-40), Variable Valve Timing (TG-41), Variable Valve Timing System Description (TG-42), Variable Valve Lift (TG-43), Variable Valve Lift System Description (TG-44), Number of Inlet Valves per Cylinder (TG-45), Number of Exhaust Valves Per Cylinder (TG-46), Air Aspiration Method (TG-47), Number of Air Aspiration Devices (TG-48), Air Aspiration Device Configuration (TG-49), Air Aspiration Method Other (TG-50), Charge Air Cooler Type (TG-51), Engine Configuration Comments (TG-52), Number Air Fuel Sensors (TG-61), Air/Fuel Sensor Number (TG-62), 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) and Air Injection Other Description (TG-73) are not allowed.	(TG-26) (TG-27) (TG-28) (TG-29) (TG-30) (TG-31) (TG-32) (TG-32.5) (TG-32.6) (TG-36) (TG-37) (TG-38) (TG-39) (TG-40) (TG-41) (TG-42) (TG-43) (TG-44) (TG-45) (TG-46) (TG-47) (TG-48) (TG-49) (TG-50) (TG-51) (TG-52) (TG-61) (TG-62) (TG-63) (TG-64) et al.
LD-CERT-TG-GBR003 - If no Drive Source (TG-7.1) equals 'E' (Electric Motor) then Energy Storage Device (TG-77), Rechargeable Energy Storage Device Other Description (TG-78), Battery Type (TG-79), Other Battery Type Description (TG-80), 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),Number of Capacitors (TG-86), Capacitor Rating (TG-87), Capacitor Comments (TG-88), Hydraulic System Description (TG-89), Regenerative Braking Type (TG-90), Regenerative Braking Type Other Description (TG-91), Regenerative Braking Source (TG-92), Driver Controlled Regenerative Braking (TG-93), Number of Drive Motor Generators (TG-94), Motor Generator Type (TG-95), Other Motor Generator Type Other Description (TG-96), Rated Motor Generator Power (TG-97), Fuel Cell Description (TG-98), Fuel Cell On board H2 Storage Capacity (TG-99), Usable H2 Fill Capacity (TG-100) and HEV EV Comments (TG-101) are not allowed.	(TG-77) (TG-78) (TG-79) (TG-80) (TG-81) (TG-82) (TG-83) (TG-84) (TG-85) (TG-86) (TG-87) (TG-88) (TG-89) (TG-90) (TG-91) (TG-92) (TG-93) (TG-94) (TG-95) (TG-96) (TG-97) (TG-98) (TG-99) (TG-100) (TG-101)
The selected value for Drive Source (TG-7.1) is not a valid value.	(TG-7.1)
The selected value for Fuel(s) (TG-7.3) is not a valid value.	(TG-7.3)

The selected value for Fuel(s) (TG-217.1) is not a valid value.	(TG-217.1)
The selected value for Fuel(s) (TG-204) is not a valid value.	(TG-204)
The selected value for Fuel(s) (TG-223) is not a valid value.	(TG-223)
The selected value for Basic fuel metering system (TG-7.4) is not a valid value.	(TG-7.4)
The selected value for GHG Exempt Status (TG-216.7) is not a valid value.	(TG-216.7)
The maximum allowable value for CREE Weighting Factor For Dual/Multiple Fuel Vehicles (TG-7.5) is 1.0.	(TG-7.5)
The maximum allowable value for Durability Group Equivalency Factor (TG-13) is 5.0.	(TG-13)
Each Fuel(s) (TG-7.3) may only be selected once per Drive Source (TG-7.1).	(TG-7.3)
If Process Code (CA-3) is equal to 'R' (Report) or 'C' (Correction), then a record must exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).	(CA-4) (CA-0) (CA-1)
If Process Code (CA-3) is equal to 'R' (Report) or 'C' (Correction), then a record must exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).	(CA-4) (CA-0) (CA-1)
If Process Code (CA-3) is equal to 'N' (New), then a record must not exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).	(CA-4) (CA-0) (CA-1)
If Model Year (CA-1) is greater or equal to 2011, then CAFE Standard Type (CA-10) is required to equal 'R' (Reformed CAFE).	(CA-10)
A Fuel Economy Label must exist in the system for the Model Type Index (CA-25), Carline Manufacturer Code (CA-25.1), and Model Year (CA-1).	(CA-25) (CA-25.1) (CA-1)
Test Number (CA-35) must exist in Test Information (TI-1).	(CA-35)
If Subconfiguration Index (CA-29.5) is between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration, then Test Number (CA-35) is required, otherwise it is not allowed.	(CA-35)
If Subconfiguration Index (CA-29.5) is between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration, then Test Number (CA-35) is required, otherwise it is not allowed.	(CA-35)
The Test 5-Cycle Category (TI-45) for this Test Number (CA-35) must be equal to 'FTP75' (Test Procedure equal to '2', '21', '25', '31', '35', '41', '45'), or 'HWY' (Test Procedure equal to '3'), or the Test Procedure must be equal to '81' (Charge Depleting UDDS) or '84' (Charge Depleting Highway).	(CA-35) (TI-45)

If Averaging Method (CA-40) is equal to 'N' (No Averaging), then Averaging Group Indicator (CA-41) must not be present.	(CA-41)
If Averaging Method (CA-40) is not equal to 'N' (No Averaging), then Averaging Weighting Factor (CA-42) is required.	(CA-42)
If the Process Code (CA-3) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CA-0) of the dataset for which the report was requested.	(CA-0)
If the Process Code (CA-3) is equal to 'N' (New) or 'C' (Correction), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CA-0) of the submitted dataset.	(CA-0)
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) and CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Trucks), then Manufacturer Calculated Unrounded Reformed Truck CAFE Standard (CA-22.3) is required, otherwise it is not allowed.	(CA-22.3)
The Fuel Usage for the Test Number (CA-35) must be the same as one of the Fuel Usages (GL-89) for the Label.	(CA-35) (GL-89)
Manufacturer Code (CA-0) must exist in the system.	(CA-0)
Manufacturer Code (CA-0) must exist in the system.	(CA-0)
Manufacturer Code (CA-0) must exist in the system.	(CA-0)
Each Base Level within a Model Type must have a unique Inertia Weight Class (CA-25.6).	(CA-25.6)
Each Configuration within a Base Level must have a unique Configuration Index Number (CA-26).	(CA-26)
Each SubConfiguration within a Configuration must have a unique SubConfiguration Index Number (CA-29.5).	(CA-29.5)
Each Configuration within a Base Level must be a unique combination of Engine Code (CA-28), Axle Ratio (CA-29), and Transmission Configuration Code (CA-27).	(CA-29) (CA-27) (CA-28)
Each SubConfiguration within a Configuration must be a unique combination of Equivalent Test Weight (CA-31) and Road Load Horsepower (CA-30).	(CA-31) (CA-30)
If the Carline Manufacturer Code (CA-25.1) of the Model Type is different than the Submitter's Manufacturer Code (in Submission Author Details), then permission must be granted by the Carline Manufacturer for the Submitting Manufacturer to use the Carline associated with the FE Label submission referenced by the combination of Model Year (CA-1), Carline Mfr Code (CA-25.1), and Model Type Index (CA-25).	(CA-25) (CA-25.1)

If Model Year (CA-1) is greater than or equal to 2012, and GHG Calculation Method (CA-128) is equal to 'OPT-CREE' (Opt-CREE) then Opt-CREE N2O Default Indicator (CA-129) is required. Otherwise it is optional.	(CA-129)
If Model Year (CA-1) is greater than or equal to 2012, then GHG Exempt Indicator (CA-127) is required. Otherwise it is optional.	(CA-127)
If Model Year (CA-1) is greater than or equal to 2012, then GHG Calculation Method (CA-128) is required. Otherwise it is optional.	(CA-128)
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Official Model Year GHG Production Units (CA-132) is required. Otherwise it is optional.	(CA-132)
If CAFE/GHG Compliance category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Official Model Year Truck CAFE Production Units (CA-50) is required. Otherwise it is optional.	(CA-50)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Model Year Domestic Passenger Vehicle CAFE Production Units (CA-51) is required. Otherwise it is optional.	(CA-51)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Model Year Import Passenger Vehicle CAFE Production Units (CA-52) is required. Otherwise it is optional.	(CA-52)
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Baseline Average GHG Unrounded 4 Decimal (CA-138) is required. Otherwise it is optional.	(CA-138)
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Baseline Average GHG TLAAS Unrounded 4 Decimal (CA-139) is required. Otherwise it is optional.	(CA-139)
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Baseline Truck CAFE Unrounded 4 Decimal (CA-56) is required. Otherwise it is optional.	(CA-56)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Domestic Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-57) is required. Otherwise it is optional.	(CA-57)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Import Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-58) is required. Otherwise it is optional.	(CA-58)

If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Baseline Average GHG Rounded Whole Number (CA-140) is required. Otherwise it is optional.	(CA-140)
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Baseline Average GHG TLAAS Rounded Whole Number (CA-141) is required. Otherwise it is optional.	(CA-141)
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Baseline Truck CAFE Rounded 1 Decimal (CA-62) is required. Otherwise it is optional.	(CA-62)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Domestic Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-64) is required. Otherwise it is optional.	(CA-64)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Import Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-65) is required. Otherwise it is optional.	(CA-65)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Domestic Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-68) is required. Otherwise it is optional.	(CA-68)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Baseline Import Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-69) is required. Otherwise it is optional.	(CA-69)
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Final Average GHG Unrounded 4 Decimal (CA-146) is required. Otherwise it is optional.	(CA-146)
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Final Average GHG TLAAS Unrounded 4 Decimal (CA-147) is required. Otherwise it is optional.	(CA-147)
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Final Truck CAFE Unrounded 4 Decimal (CA-72) is required. Otherwise it is optional.	(CA-72)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Domestic Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-73) is required. Otherwise it is optional.	(CA-73)

If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Import Passenger Vehicle CAFE Unrounded Unadjusted 4 Decimal (CA-74) is required. Otherwise it is optional.	(CA-74)
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Final Average GHG Rounded Whole Number (CA-148) is required. Otherwise it is optional.	(CA-148)
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Final Average GHG TLAAS Rounded Whole Number (CA-149) is required. Otherwise it is optional.	(CA-149)
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Final Truck CAFE Rounded 1 Decimal (CA-150) is required. Otherwise it is optional.	(CA-150)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Domestic Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-80) is required. Otherwise it is optional.	(CA-80)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Import Passenger Vehicle CAFE Unrounded Test Procedure Adjusted 4 Decimal (CA-81) is required. Otherwise it is optional.	(CA-81)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Domestic Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-84) is required. Otherwise it is optional.	(CA-84)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Final Import Passenger Vehicle CAFE Rounded Test Procedure Adjusted 1 Decimal (CA-85) is required. Otherwise it is optional.	(CA-85)
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Official Average GHG Grams Per Mile (CA-153) is required. Otherwise it is optional.	(CA-153)
If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Official Average GHG TLAAS Grams Per Mile (CA-154) is required. Otherwise it is optional.	(CA-154)
If CAFE/GHG Compliance Category (CA-4) is equal to 'LT' (Light Truck), then Manufacturer Calculated Official Truck CAFE Miles Per Gallon (CA-88) is required. Otherwise it is optional.	(CA-88)

If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Domestic Passenger Vehicle CAFE Miles Per Gallon (CA-89) is required. Otherwise it is optional.	(CA-89)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then Manufacturer Calculated Official Import Passenger Vehicle CAFE Miles Per Gallon (CA-90) is required. Otherwise it is optional.	(CA-90)
If CAFE/GHG Compliance category (CA-4) is equal to 'PV' (Passenger Vehicle), then CAFE Domestic/Import Indicator (CA-155) is required. Otherwise it is optional.	(CA-155)
If Model Year (CA-1) is greater than or equal to 2012 and Model Year (CA-1) is less than or equal to 2016, then GHG TLAAS Indicator (CA-156) is required, otherwise it is not allowed.	(CA-156)
If Model Year (CA-1) is greater than or equal to 2012 and Model Year (CA-1) is less than or equal to 2016, then GHG TLAAS Indicator (CA-156) is required, otherwise it is not allowed.	(CA-156)
If Model Year (CA-1) is greater than or equal to 2012, then Footprint Final Model Year GHG Production Units (CA-158) is required. Otherwise it is optional.	(CA-158)
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Subconfiguration Final Model Year GHG Production Units (CA-193) is required. Otherwise it is optional.	(CA-193)
If Model Year (CA-1) greater than or equal to 2011, then Averaging Method (CA-40) cannot be 'S' (Simple Averaging).	(CA-40)
If CAFE Standard Type (CA-10) is equal to 'R', then Carline Manufacturer Code (CA-11.5) is required. Otherwise it is optional.	(CA-11.5)
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) then Division Code (CA-12) is required. Otherwise it is optional.	(CA-12)
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) then Carline Code (CA-13) is required. Otherwise it is optional.	(CA-13)
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) then Footprint Index (CA-14.5) is required. Otherwise it is optional.	(CA-14.5)
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) then Footprint Final Model Year Production Units (CA-20) is required, otherwise it is optional.	(CA-20)
If Model Year (CA-1) is greater than or equal to 2012, then Manufacturer Calculated Unrounded GHG Standard (CA-160) is required. Otherwise it is optional.	(CA-160)

If GHG TLAAS Indicator (CA-156) is equal to 'Y' (Yes) for any Model Type in the CAFE/GHG submission then Manufacturer Calculated Official Model Year GHG TLAAS Production Units (CA-133) is required. Otherwise it is optional.	(CA-133)
If Footprint Index (CA-14.5) is provided in a CAFE submission then the Footprint Index (CA-14.5) must exist in the system for this Model Year (CA-1), Carline Manufacturer Code (CA-11.5), Division Code (CA-12) and Carline Code (CA-13).	(CA-14.5)
If GHG Calculation Method (CA-128) is equal to 'OPT-CREE' and if Test Procedure (TI-8) does not equal to '81' (Charge Depleting UDDS) or '84' (Charge Depleting Hwy), then Rounded Adjusted OPT-CREE (TI-19.8) must exist.	(CA-128) (TI-19.8)
If GHG Calculation Method (CA-128) is equal to 'OPT-CREE' and if Test Procedure (TI-8) does not equal to '81' (Charge Depleting UDDS) or '84' (Charge Depleting Hwy), then Test Result/Emission Name (TI-19) equal to 'OPT-CREE' must exist.	(CA-128) (TI-19)
If a CAFE/GHG submission already exists in Verify for the same manufacturer and model year (but for a different CAFE/GHG Compliance Category (CA-4)), then GHG Calculation Method (CA-128) must be identical to the one already submitted.	(CA-128)
If Footprint Index (CA-14.5) is provided and the Manufacturer Code of the Submission Author Details is not the same as the Carline Manufacturer Code (CA-11.5), then the submitting manufacturer must have permission to use the Carline derived from the Model Year (CA-1), Carline Manufacturer Code (CA-11.5), Division Code (CA-12) and Carline Code (CA-13).	(CA-0)
Test Numbers (CA-35) with the following Test Fuel Types are not allowed for CAFE (Test Fuel Type (TI-9) : 8, 10, 24, 25, 26, 27, 31, 32, 33, 36, 45, 71).	(CA-35)
If a subconfiguration contains a Test Number (CA-35) and the corresponding FE Label contains a Drive Source (GL-13.5.1) equal to 'C' (Combustion Engine), then within that subconfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (CA-41) must contain at least one test with a 5-Cycle Test Category (TI-45) equal to 'FTP75' (Test Procedure equal to 2, 21, 25, 31, 35, 41, or 45).	(CA-41) (TI-4) (TI-5) (TI-45)
If a subconfiguration contains a Test Number (CA-35) and the corresponding FE Label contains a Drive Source (GL-13.5.1) equal to 'C' (Combustion Engine), then within that subconfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (CA-41) must contain at least one test with a 5-Cycle Test Category (TI-45) equal to 'HWY' (Test Procedure equal to 3).	(CA-41) (TI-4) (TI-5) (TI-45)

Carline Code (CA-126) must exist in Verify for the Carline Manufacturer Code (CA-124), Division Code (CA-125), and Model Year (CA-1).	(CA-1) (CA-124) (CA-125) (CA-126)
The combination of the Carline Manufacturer Code (GL-10), Division Code (GL-11), and Carline Code (GL-12) of the FE Label associated with the Model Type Index (CA-25) and Carline Manufacturer Code (CA-25.1) must match at least one combination of Carline Manufacturer Code (CA-124), Division Code (CA-125) and Carline Code (CA-126) in the repeated subconfiguration sales information within that Model Type.	(CA-11.5) (CA-124) (CA-125) (CA-126) (CA-25.1) (GL-10) (GL-11) (GL-12)
Test Group (CA-34) must exist in Verify as a certified Test Group.	(CA-34)
Each Base Level must contain at least one configuration with a Configuration Index (CA-26) between 1 and 499 (inclusive), indicating that it is a 'tested' configuration.	(CA-26)
If a Configuration Index (CA-26) is between 1 and 499 (inclusive) indicating that it is a 'tested' configuration, then that configuration must contain at least one subconfiguration with a Subconfiguration Index (CA-29.5) between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration.	(CA-29.5)
If a Configuration Index (CA-26) is between 500 and 999 (inclusive) indicating that it is an 'untested' configuration, then all subconfigurations contained within that configuration must have a Subconfiguration Index (CA-29.5) between 50 and 99 (inclusive) indicating that they are 'untested' subconfigurations.	(CA-29.5)
The same Test Number (CA-35) may not be used multiple times within a subconfiguration.	(CA-35)
If Test Number (CA-35) is present, then the associated test must have a Verify-calculated Rounded Adjusted Fuel Economy (RAFE) value. This test must be re-submitted to the Test Information module so that it can be calculated.	(CA-35)
Each test within a subconfiguration must have the same Averaging Method (CA-40).	(CA-40)
If Averaging Method (CA-40) is equal to 'N' (No averaging), then Averaging Weighting Factor (CA-42) is not allowed.	(CA-42)
If Averaging Method (CA-40) is not equal to 'N' (No averaging), meaning that averaging is used, then Averaging Group Indicator (CA-41) is required, otherwise it is optional.	(CA-41)
Within a Subconfiguration, if Averaging Method (CA-40) is not equal to 'N' (No averaging), meaning that averaging is used, then all tests that have the same combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (CA-41) must have the same Averaging Weighting Factor (CA-42).	(CA-41) (CA-42) (TI-4) (TI-5)

Within a Subconfiguration, if Averaging Method (CA-40) is not equal to 'N' (No averaging), meaning that averaging is used, then all tests that have the same Averaging Group Indicator (CA-41) and unique combinations of Vehicle ID (TI-4) and Vehicle Configuration Number (TI-5) must have Averaging Weighting Factors (CA-42) that add up to exactly 1.00.	(CA-41) (CA-42) (TI-4) (TI-5)
If the Manufacturer Code of the owner of the Test Number (CA-35) 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 Test Number.	(CA-35)
If the Total Road Load Horsepower (CA-30) is not equal to the tested vehicle's EPA-Calculated Total Road Load Horsepower (VI-43.5), or the Equivalent Test Weight (ETW) (CA-31) is not equal to the tested vehicle's ETW (VI-30), or the Axle Ratio (CA-29) is not equal to the tested vehicle's Axle Ratio (VI-35), then either the Data Substitution Indicator (CA-39) must be equal to 'Y' (Yes), or the Analytically-Derived FE / CREE Indicator (TI-13.5) of the Test Number (CA-35) must be equal to 'Y' (Yes), or both.	(CA-39)
If Equivalent Test Weight (ETW) (CA-31) is equal to '1000' or '1125', then Inertia Weight Class (CA-25.6) must be equal to '1000'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '1250' or '1375', then Inertia Weight Class (CA-25.6) must be equal to '1250'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '1500' or '1625', then Inertia Weight Class (CA-25.6) must be equal to '1500'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '1750' or '1875', then Inertia Weight Class (CA-25.6) must be equal to '1750'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '2000' or '2125', then Inertia Weight Class (CA-25.6) must be equal to '2000'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '2250' or '2375', then Inertia Weight Class (CA-25.6) must be equal to '2250'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '2500' or '2625', then Inertia Weight Class (CA-25.6) must be equal to '2500'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '2750' or '2875', then Inertia Weight Class (CA-25.6) must be equal to '2750'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '3000', '3125', or '3250', then Inertia Weight Class (CA-25.6) must be equal to '3000'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '3375', '3500', '3625', or '3750', then Inertia Weight Class (CA-25.6) must be equal to '3500'.	(CA-25.6)

If Equivalent Test Weight (ETW) (CA-31) is equal to '3875', '4000' or '4250', then Inertia Weight Class (CA-25.6) must be equal to '4000'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '4500 or 4750', then Inertia Weight Class (CA-25.6) must be equal to '4500'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is equal to '5000' or '5250', then Inertia Weight Class (CA-25.6) must be equal to '5000'.	(CA-25.6)
If Equivalent Test Weight (ETW) (CA-31) is greater than or equal to '5500', then Inertia Weight Class (CA-25.6) must be equal to Equivalent Test Weight (ETW) (CA-31).	(CA-25.6) (CA-31)
If the Manufacturer Code of the owner of the Test Group (CA-34) 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 Test Group.	(CA-34)
The combination of Carline Manufacturer Code (CA-124), Division Code (CA-125), Carline Code (CA-126), Transmission Type (GL-67), Transmission Lockup (GL-69), Transmission Creeper Gear (GL-70), Total Number of Transmission Gears (GL-71), and Drive System (GL-72) must exist as a certified model in the Test Group dataset (TG) for the Test Group (CA-34).	(CA-34) (CA-124) (CA-125) (CA-126) (GL-67) (GL-69) (GL-70) (GL-71) (GL-72)
If the label associated with the Model Type Index (CA-25) has an Engine Configuration Number (GL-25) provided, then the Displacement (VI-22) (rounded to a tenth) of the Test Vehicle associated with the Test Number (CA-35), must be the same as the label Engine Displacement (GL-26) (rounded to a tenth) associated with the Model Type Index (CA-25).	(CA-25) (CA-35) (GL-26) (VI-22)
If the label associated with the Model Type Index (CA-25) has an Engine Configuration Number (GL-25) provided, then the Air Aspiration Method (VI-23) of the Test Vehicle associated with the Test Number (CA-35), must be the same as the label Air Aspiration Method (GL-35) associated with the Model Type Index (CA-25).	(CA-25) (CA-35) (GL-35) (VI-23)
If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) and CAFE/GHG Compliance Category (CA-4) is equal to 'PV' (Passenger Vehicles), then Manufacturer Calculated Unrounded Reformed Domestic Passenger Vehicle CAFE Standard (CA-199) is required, otherwise it is not allowed.	(CA-199)

If CAFE Standard Type (CA-10) is equal to 'R' (Reformed CAFE) and CAFE/GHG Compliance Category (CA-4) is equal to 'PV' (Passenger Vehicles), then Manufacturer Calculated Unrounded Reformed Import Passenger Vehicle CAFE Standard (CA-203) is required, otherwise it is not allowed.	(CA-203)
If the Manufacturer Code (CA-124) of the owner of the Subconfiguration 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.	(CA-124)
The combination of Carline Manufacturer Code (CA-11.5), Division Code (CA-12), and Carline Code (CA-13) of a CAFE Footprint must match the Carline Manufacturer Code (GL-10), Division Code (GL-11), and Carline Code (GL-12) of an FE Label associated with a Model Type Index (CA-25) and Carline Manufacturer Code (CA-25.1) in the CAFE submission.	(CA-11.5) (CA-12) (CA-13) (CA-25) (CA-25.1) (GL-10) (GL-11) (GL-12)
If Test Number (CA-35) is present and the Model Year (CA-1) of the CAFE submission is greater than or equal to 2012, then the associated test must have a Verify-calculated Rounded Adjusted CREE (TI-19.4) value. This test must be re-submitted to the Test Information module so that it can be calculated.	(TI-19.4)
If the Analytically-Derived FE / CREE Indicator (TI-13.5) of the Test Number (CA-35) is equal to 'N' (No) and at least one of the following is true: 1) Total Road Load Horsepower (CA-30) is greater than the tested vehicle's EPA-Calculated Total Road Load Horsepower (VI-43.5), or 2) Equivalent Test Weight (ETW) (CA-31) is greater than the tested vehicle's ETW (VI-30), or 3) Axle Ratio (CA-29) is greater than the tested vehicle's Axle Ratio (VI-35), then N/V Ratio (CA-228) is required. Otherwise, it is optional.	(CA-228)
The Official Manufacturer Contact (CA-227) must exist in Verify and must be assigned to the 'Light-Duty Vehicle & Truck' industry and the 'Fuel Economy - CAFE' compliance program.	(CA-227)
The Manufacturer Code of the Submission Author Details must match the Manufacturer Code (CA-0) of the dataset for which the final status is being updated.	(CA-0)
If CAFE/GHG Final Status Indicator (CA-4.5) equals 'Y' (Yes), then the CAFE submission in Verify with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1) must have all EPA calculations successfully completed.	(CA-0) (CA-1) (CA-4)

If CAFE/GHG Final Status Indicator (CA-4.5) equals 'Y' (Yes), then Model Year (CA-1) must be 2012 or later.	(CA-1)
If CAFE/GHG Final Status Indicator (CA-4.5) equals 'Y' (Yes), then a CAFE submission must exist in the system with the same CAFE/GHG Compliance Category (CA-4), Manufacturer Code (CA-0), and Model Year (CA-1).	(CA-0) (CA-1) (CA-4)
If Process Code (CA-3) equals 'N' (New) or 'C' (Correction), then Model Year (CA-1) must be 2012 or later.	(CA-1)
If Process Code (GL-0.5) equals 'R' (Report) or 'C' (Correction), then a record must already exist in the system with the same Model Type Index (GL-1), Manufacturer Code (GL-2), and Model Year (GL-3).	(GL-1) (GL-2) (GL-3)
If Process Code (GL-0.5) equals 'R' (Report) or 'C' (Correction), then a record must already exist in the system with the same Model Type Index (GL-1), Manufacturer Code (GL-2), and Model Year (GL-3).	(GL-1) (GL-2) (GL-3)
If Process Code (GL-0.5) equals 'N' (New), then a record must not exist in the system with the same Model Type Index (GL-1), Manufacturer Code (GL-2), and Model Year (GL-3).	(GL-1) (GL-2) (GL-3)
The Submitter's Manufacturer Code (in Submission Author Details) must match the Carline Manufacturer Code (GL-10).	(GL-10)
The combination of Model Year (GL-3), Carline Manufacturer Code (GL-10), Division Code (GL-11) and Carline Code (GL-12) must exist in the system as a certified model.	(GL-3) (GL-10) (GL-11) (GL-12)
If Process Code (GL-0.5) is equal to 'C' (Correction), then Manufacturer FE Label Comments (GL-4) is required; otherwise, it is optional.	(GL-4)
The combination of Test Group (GL-13.5) and Engine Configuration (GL-25), if provided, must exist in the system as Test Group Information.	(GL-13.5) (GL-25)
Shift Indicator Light (GL-74) can only be equal to 'Y' (Yes) when Transmission Type (GL-67) is equal to 'M' (Manual), 'AM' (Automated Manual) or 'OT' (Other).	(GL-74)
If Fuel Economy Label Calculation Approach (GL-79) is equal to 'EV' (Electric Vehicle label), then Drive Source (TG-7) must equal 'E' (Electric motor).	(TG-7)
If Process Code (GL-0.5) is equal to 'N' (New), then Label Recalculation (GL-87) must equal 'N' (No), if present.	(GL-87)
If Process Code (GL-0.5) is equal to 'C' (Correction), then Label Recalculation (GL-87) is required.	(GL-87)
If Process Code (GL-0.5) is equal to 'N' (New), then Re-label (GL-88) must not be present.	(GL-88)

If Label Recalculation (GL-87) is equal to 'Y' (Yes), then Re-label (GL-88) is required; otherwise, it must not be present.	(GL-88)
Only one Fuel Usage (GL-89) can begin with 'G' (for Gasoline).	(GL-89)
Only one Fuel Usage (GL-89) can begin with 'D' (for Diesel).	(GL-89)
If Fuel Usage (GL-89) is equal to 'E' (Ethanol) or one of the Fuel Usage Types that begins with 'G' (Gasoline), then Maximum Ethanol Percentage (GL-104) is required; otherwise, it is not allowed.	(GL-104)
If Fuel Usage (GL-89) is equal to 'DU' (Diesel, ultra low sulfur (15 ppm maximum)), then Maximum Bio-diesel Percentage (GL-105) is required; otherwise, it is not allowed.	(GL-105)
Test Group (GL-126) must exist in the system with the same Model Year (TG-6) as the Model Year (GL-3) of the submission.	(GL-3) (GL-126)
Test Number (GL-127) must exist in Test Information (TI-1).	(GL-127)
If Subconfiguration Index (GL-121) is between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration, then Test Number (GL-127) is required, otherwise it is not allowed.	(GL-127)
If Subconfiguration Index (GL-121) is between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration, then Test Number (GL-127) is required, otherwise it is not allowed.	(GL-127)
The Test Category (TI-43) for this Test Number (GL-127) must be equal to 'FTP' (Test Procedure equal to '2', '11', '21', '25', '31', '35', '41', '45', '51', '52'), 'US06' (Test Procedure equal to '16', '90', '96'), 'SC03' (Test Procedure equal to '95'), 'HWY' (Test Procedure equal to '3'), or 'CD' (Test Procedure equal to '81', '83', '84', '85', '86').	(TI-43) (GL-127)
If Averaging Method (GL-133) is equal to 'N' (No averaging), then Averaging Group Indicator (GL-134) must not be present.	(GL-134)
If Averaging Method (GL-133) is not equal to 'N' (No averaging), then Averaging Weighting Factor (GL-135) is required.	(GL-135)
If Drive Source (GL-13.5.1) is 'C' (Combustion Engine), then Engine Configuration Number (GL-25) is required.	(GL-25)
If the Process Code (GL-0.5) is equal to 'R' (Report), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (GL-2) of the dataset for which the report was requested.	(GL-2)
If the Process Code (GL-0.5) is equal to 'N' (New) or 'C' (Correction), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (GL-2) of the submitted dataset.	(GL-2)
Manufacturer Code (GL-2) must exist in the system.	(GL-2)

Manufacturer Code (GL-2) must exist in the system.	(GL-2)
Carline Manufacturer Code (GL-10) must exist in the system.	(GL-10)
Manufacturer Division Code (GL-11) must exist in the system.	(GL-11)
Carline Code (GL-12) must exist in the system for the Carline Manufacturer Code (GL-10), Manufacturer Division Code (GL-11), and Model Year (GL-3).	(GL-12)
Model Type Driving Range (GL-103) must match format 'nnn' for one driving range or 'nnn/nnn' for minimum and maximum driving range.	(GL-103)
Base Level Fuel Usage (GL-110.5) must match a Model Type Fuel Usage (GL-89).	(GL-110.5)
Test Group (GL-13.5) must exist in the system with the same Model Year (TG-6) as the Model Year (GL-3) of the submission.	(GL-3) (GL-13.5)
The Fuel Usage for this Test Number (GL-127) must be the same as one of the Fuel Usages (GL-89) for this Label.	(GL-127)
Each Base Level must have a unique Inertia Weight Class (GL-110).	(GL-110)
Each Configuration within a Base Level must have a unique Configuration Index Number (GL-117).	(GL-117)
Each SubConfiguration within a Configuration must have a unique SubConfiguration Index Number (GL-121).	(GL-121)
Each Configuration within a Base Level must be a unique combination of Engine Code (GL-119), Axle Ratio (GL-120), and Transmission Configuration Code (GL-118).	(GL-119) (GL-120) (GL-118)
Each SubConfiguration within a Configuration must be a unique combination of Equivalent Test Weight (GL-123) and Road Load Horsepower (GL-122).	(GL-122) (GL-123)
If the Manufacturer Code of the owner for the Test Number (GL-127) 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 Test Number.	(GL-127)
If Transmission Type (GL-67) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (GL-71) must equal '1'.	(GL-71)
Carline Manufacturer Code (GL-125.5) must exist in the system.	(GL-125.5)
Manufacturer Division Code (GL-125.6) must exist in the system.	(GL-125.6)
Carline Code (GL-125.7) must exist in the system for the Carline Manufacturer Code (GL-125.5), Manufacturer Division Code (GL-125.6), and Model Year (GL-3).	(GL-125.7)

Equivalent Test Weight (GL-123) can only be one of the following values: 1000, 1125, 1250, 1375, 1500, 1625, 1750, 1875, 2000, 2125, 2250, 2375, 2500, 2625, 2750, 2875, 3000, 3125, 3250, 3375, 3500, 3625, 3750, 3875, 4000, 4250, 4500, 4750, 5000, 5250, 5500, 6000, 6500, 7000, 7500, 8000, 8500, 9000, 9500, 10000, 10500, 11000, 11500, 12000, 12500, 13000, 13500, or 14000.	(GL-123)
Inertia Weight Class (GL-110) can only be one of the following values: 1000, 1250, 1500, 1750, 2000, 2250, 2500, 2750, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500, 7000, 7500, 8000, 8500, 9000, 9500, 10000, 10500, 11000, 11500, 12000, 12500, 13000, 13500, or 14000.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '1000' or '1125', then Inertia Weight Class (GL-110) must be equal to '1000'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '1250' or '1375', then Inertia Weight Class (GL-110) must be equal to '1250'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '1500' or '1625', then Inertia Weight Class (GL-110) must be equal to '1500'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '1750' or '1875', then Inertia Weight Class (GL-110) must be equal to '1750'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '2000' or '2125', then Inertia Weight Class (GL-110) must be equal to '2000'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '2250' or '2375', then Inertia Weight Class (GL-110) must be equal to '2250'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '2500' or '2625', then Inertia Weight Class (GL-110) must be equal to '2500'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '2750' or '2875', then Inertia Weight Class (GL-110) must be equal to '2750'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '3000', '3125', or '3250', then Inertia Weight Class (GL-110) must be equal to '3000'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '3375', '3500', '3625', or '3750', then Inertia Weight Class (GL-110) must be equal to '3500'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '3875', '4000' or '4250', then Inertia Weight Class (GL-110) must be equal to '4000'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '4500 or 4750', then Inertia Weight Class (GL-110) must be equal to '4500'.	(GL-110)
If Equivalent Test Weight (GL-123) is equal to '5000' or '5250', then Inertia Weight Class (GL-110) must be equal to '5000'.	(GL-110)

If Equivalent Test Weight (GL-123) is greater than or equal to '5500', then Inertia Weight Class (GL-110) must be equal to Equivalent Test Weight (GL-123).	(GL-123) (GL-110)
Each Base Level must contain at least one configuration with a Configuration Index (GL-117) between 1 and 499 (inclusive), indicating that it is a 'tested' configuration.	(GL-117)
If a SubConfiguration contains tests, then Test Number (GL-127), Data Substitution (GL-132) and Averaging Method (GL-133) are required for each test.	(GL-132) (GL-127) (GL-133)
If a SubConfiguration contains a Test Number (GL-127), then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 2, 21, 25, 31, 35, 41, or 45. Note: FTP test that is NOT a Test Procedure 11 (Cold CO test).	(GL-134) (TI-4) (TI-5) (TI-8)
If a SubConfiguration contains a Test Number (GL-127), then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 3 (HWFE test).	(GL-134) (TI-4) (TI-5) (TI-8)
If a SubConfiguration contains a Test Number (GL-127) and FE Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC', then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 11 (Cold CO test).	(GL-134) (TI-4) (TI-5) (TI-8)
If a SubConfiguration contains a Test Number (GL-127) and FE Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC', then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 95 (SC03 test).	(GL-134) (TI-4) (TI-5) (TI-8)
If a SubConfiguration contains a Test Number (GL-127) and FE Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC' or '5C-MOD', then within that SubConfiguration, each unique combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must contain at least one test with a Test Procedure (TI-8) equal to 90 (US06 test).	(GL-134) (TI-4) (TI-5) (TI-8)
If Averaging Method (GL-133) is equal to 'N' (No averaging), then Averaging Weighting Factor (GL-135) must not be present.	(GL-135)

If Averaging Method (GL-133) is not equal to 'N' (No averaging), meaning that averaging is used, then Averaging Group Indicator (GL-134) is required.	(GL-134)
The same Test Number (GL-127) may not be used multiple times within a SubConfiguration.	(GL-127)
Each Test within a SubConfiguration must have the same Averaging Method (GL-133).	(GL-133)
A Test Averaging Method (GL-133) of 'S' (Simple Averaging) can only be used if Shift Indicator Light (GL-74) is equal to 'Y'.	(GL-133)
Within a SubConfiguration, if Averaging Method (GL-133) is not equal to 'N' (No averaging), meaning that averaging is used, then all tests that have the same combination of Vehicle ID (TI-4), Vehicle Configuration Number (TI-5), and Averaging Group Indicator (GL-134), must have the same Averaging Weighting Factor (GL-135).	(TI-4) (TI-5) (GL-134) (GL-135)
Within a SubConfiguration, if Averaging Method (GL-133) is not equal to 'N' (No averaging), meaning that averaging is used, then all tests that have the same Averaging Group Indicator (GL-134) and unique combinations of Vehicle ID (TI-4) and Vehicle Configuration Number (TI-5), must have Averaging Weighting Factors (GL-135) that add up to exactly 1.00.	(GL-134) (TI-4) (TI-5) (GL-135)
(Warning only, label should be accepted) For each Label Fuel Usage (GL-89) entered for a label, at least 1 Base Level should contain a Base Level Fuel Usage (GL-110.5) with the same value.	(GL-110.5)
(Warning only, label should be accepted) If the Transmission Type (GL-67) equals 'A', 'M', or 'CVT', then the vehicle used for each test entered for that label should have the same Transmission Type (VI-36).	(VI-36) (GL-67)
(Warning only, label should still be accepted) If the Test Fuel Category (TI-44) of a test within a Base Level is 'G' (Gasoline), then one of the Base Level Fuel Usages (GL-110.5) must be equal to 'G', 'GM', 'GMR', 'GP', or 'GPR'.	(GL-110.5)
(Warning only, label should still be accepted) If the Test Fuel Category (TI-44) of a test within a Base Level is 'D' (Diesel), then one of the Base Level Fuel Usages (GL-110.5) must be equal to 'D' or 'DU'.	(GL-110.5)
(Warning only, label should still be accepted) If the Test Fuel Category (TI-44) of a test within a Base Level is 'M' (Methanol), 'E' (Ethanol), 'CNG' (Compressed Natural Gas), 'LPG' (Liquid Petroleum Gas), 'LNG' (Liquified Natural Gas), or 'H' (Hydrogen), then the Test Fuel Category must be equal to one of the Base Level Fuel Usages (GL-110.5).	(GL-110.5)
The Release Date (GL-176) cannot be before January 2nd of the year prior to Model Year (GL-3) or after December 31st of the Model Year (GL-3).	(GL-176)

The combination of Carline Manufacturer Code (GL-10), Division Code (GL-11), and CarlineCode (GL-12) must exist at least once in the repeated subconfiguration sales information (GL-125.5, GL-125.6, and GL-125.7).	(GL-12) (GL-11) (GL-10)
If the combination of Model Year (GL-3), Carline Manufacturer Code (GL-10), Division Code (GL-11), Carline Code (GL-12), Test Group (GL-13.5), Engine Configuration Number (GL-25), Transmission Type (GL-67), Transmission Lockup (GL-69), Transmission Creeper Gear (GL-70), Total Number of Transmission Gears (GL-71), Number of Transmission Modes (GL-76), and Drive System (GL-72) with the same values already exists in a fuel economy label, then Model Type Descriptor Field (GL-78.2) is required.	(GL-78.2)
If the combination of Model Year (GL-3), Carline Manufacturer Code (GL-10), Division Code (GL-11), Carline Code (GL-12), Test Group (GL-13.5), Transmission Type (GL-67), Transmission Lockup (GL-69), Transmission Creeper Gear (GL-70), Total Number of Transmission Gears (GL-71), Number of Transmission Modes (GL-76), and Drive System (GL-72) with the same values already exists in a fuel economy label, then Model Type Descriptor Field (GL-78.2) is required.	(GL-78.2)
If there is only one Drive Source (GL-13.5.1) and that Drive Source (GL-13.5.1) equals 'E' (Electric Motor), then Fuel Economy Label Calculation Approach (GL-79) must equal 'EV' (Electric Vehicle 2-cycle label) or 'EV-5C' (Electric Vehicle 5-cycle label).	(GL-79)
If Drive Source (GL-13.5.1) equals 'C' (Combustion Engine) and 'E' (Electric Motor) and Off-board Charge Capable Indicator (GL-13.5.12) equals 'Yes', then Fuel Economy Label Calculation Approach (GL-79) must equal 'PHEV' (Plug-in Hybrid Label).	(GL-79)
If Fuel Economy Label Calculation Approach (GL-79) is equal to 'PHEV' (Plug-In Hybrid Label), then Charge Depleting Fuel Economy Label Calculation Approach (GL-79.2) is required; otherwise, it is not allowed.	(GL-79.2)
If Fuel Economy Label Calculation Approach (GL-79) is equal to 'PHEV' (Plug-In Hybrid Label), then Charge Sustaining Fuel Economy Label Calculation Approach (GL-79.3) is required; otherwise, it is not allowed.	(GL-79.3)

If Manufacturer Voluntary Lower FE or Higher Energy Consumption Label Value (GL-85) equals 'Y' (Yes) AND Fuel Economy Value Unit (GL-90) equals 'MPG' (Miles per Gallon) OR 'MPK' (Miles per Kilogram) then at least one of the following three statements must be true for at least one Fuel Usage (GL-89) for the label: 1) Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) IS LESS THAN Manufacturer Calculated Rounded Adjusted Model Type City FE Value (GL-97). 2) Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) IS LESS THAN Manufacturer Calculated Rounded Adjusted Model Type Highway FE Value (GL-98). 3) Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) IS LESS THAN Manufacturer Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).	(GL-89) (GL-97) (GL-98) (GL-99) (GL-100) (GL-101) (GL-102)
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Label Value (GL-85) equals 'Y' (Yes) AND Fuel Economy Value Unit (GL-90) equals 'KW-HR100' (Kilowatt-Hour per 100 Miles), then at least one of the following three statements must be true for at least one Fuel Usage (GL-89) for the label: 1) Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) IS GREATER THAN Manufacturer Calculated Rounded Adjusted Model Type City FE Value (GL-97). 2) Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) IS GREATER THAN Manufacturer Calculated Rounded Adjusted Model Type Highway FE Value (GL-98). 3) Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) IS GREATER THAN Manufacturer Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).	(GL-89) (GL-97) (GL-98) (GL-99) (GL-100) (GL-101) (GL-102)
If Fuel Usage (GL-89) equals 'H' (Hydrogen), then two values for Fuel Economy Value Unit (GL-90) must be present and must equal 'MPK' (miles per kilogram) and 'MPG' (miles per gallon).	(GL-90)
If Mfr Voluntary Lower FE or Higher Energy Consumption Label Value (GL-85) is equal to 'N' (No), then Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) is not allowed.	(GL-100)

If Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) is present and Fuel Economy Value Unit (GL-90) is equal to 'MPG' (miles per gallon) or 'MPK' (miles per kilometer), then Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) must be lower than Mfr Calculated Rounded Adjusted Model Type City FE Value (GL-97).	(GL-97) (GL-100)
If Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) is present and Fuel Economy Value Unit (GL-90) is equal to 'KW-HR100' (kilowatt-hour per 100 miles), then Manufacturer Voluntary Lower FE or Higher Energy Consumption City Label Value (GL-100) must be greater than Mfr Calculated Rounded Adjusted Model Type City FE Value (GL-97).	(GL-97) (GL-100)
If Mfr Voluntary Lower Fuel Economy or Higher Energy Consumption Label Value (GL-85) is equal to 'N' (No), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is not allowed.	(GL-102)
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present and Fuel Economy Value Unit (GL-90) is equal to 'MPG' (miles per gallon) or 'MPK' (miles per kilometer), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) must be lower than Mfr Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).	(GL-99) (GL-102)
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present and Fuel Economy Value Unit (GL-90) is equal to 'MPG' (miles per gallon) or 'MPK' (miles per kilometer), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) must be lower than Mfr Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).	(GL-99) (GL-102)
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present and Fuel Economy Value Unit (GL-90) is equal to 'KW-HR100' (kilowatt-hour per 100 miles), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) must be greater than Mfr Calculated Rounded Adjusted Model Type Combined FE Value (GL-99).	(GL-99) (GL-102)
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present, then it must be greater than or equal to [1/(0.55/(City-0.5)+0.45/(Hwy-0.5))] rounded to a whole number AND less than or equal to [1/(0.55/(City+0.5)+0.45/(Hwy+0.5))] rounded to a whole number.	(GL-102)

If only one value is selected for Fuel Usage (GL-89) and it begins with 'G' or 'D', then EPA Model Type Driving Range (GL-103) is not allowed; otherwise it is required if more than one fuel is selected for Fuel Usage including gasoline and diesel..	(GL-103)
If only one value is selected for Fuel Usage (GL-89) and it begins with 'G' or 'D', then EPA Model Type Driving Range (GL-103) is not allowed; otherwise it is required if more than one fuel is selected for Fuel Usage including gasoline and diesel..	(GL-103)
The combination of Carline Manufacturer Code (GL-125.5), Division Code (GL-125.6), Carline Code (GL-125.7), Transmission Type (GL-67), Transmission Lockup (GL-69), Transmission Creeper Gear (GL-70), Total Number of Transmission Gears (GL-71), and Drive System (GL-72) must exist as a certified model in the Test Group dataset (TG) for the Test Group (GL-126).	(GL-125.5) (GL-125.6) (GL-125.7) (GL-67) (GL-69) (GL-70) (GL-71) (GL-72)
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-MOD' (Modified 5-cycle), and Litmus Bypass Indicator (GL-200) equals 'N' (No), and the Test Group (GL-126) specified in the subconfiguration sales section contains a Test Group Fuel (TG-217.1) equal to 'G' (Gasoline) or 'D' (Diesel), then Test Group (GL-126) must have valid values (non-Null) for EPA City Litmus Value (TG-219.3.1) and EPA City Litmus Threshold (TG-219.3.2), and EPA City Litmus Value (TG-219.3.1) must be greater than or equal to EPA City Litmus Threshold (TG-219.3.2).	(GL-126) (TG-219.3.1) (TG-219.3.2)
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-DRV' (Derived 5-cycle), and Litmus Bypass Indicator (GL-200) equals 'N' (No), and the Test Group (GL-126) specified in the subconfiguration sales section contains a Test Group Fuel (TG-217.1) equal to 'G' (Gasoline) or 'D' (Diesel), then Test Group (GL-126) must have valid values (non-Null) for EPA City Litmus Value (TG-219.3.1), EPA City Litmus Threshold (TG-219.3.2), EPA Highway Litmus Value (TG-219.4.1), and EPA Highway Litmus Threshold (TG-219.4.2), and EPA City Litmus Value (TG-219.3.1) must be greater than or equal to EPA City Litmus Threshold (TG-219.3.2), and EPA Highway Litmus Value (TG-219.4.1) must be greater than or equal to EPA Highway Litmus Threshold (TG-219.4.2)	(GL-126) (TG-219.4.1) (TG-219.4.2) (TG-219.3.1) (TG-219.3.2)
The Vehicle ID (GL-128) and Vehicle Configuration Number (GL-129) combination must have associated Test Procedure Dynamometer Coefficients Category (VI-40.5) equal to 'C-H-E' (City/Highway/Evap).	(GL-128) (GL-129) (VI-40.5)

If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-DRV', then Test 5-Cycle Category (GL-130.5) must equal 'FTP75' or 'HWY'; all other enumerations (including Null) are not allowed.	(GL-130.5)
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-MOD', then Test 5-Cycle Category (GL-130.5) must equal 'FTP75', 'HWY', or 'US06'; all other enumerations (including Null) are not allowed.	(GL-130.5)
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-DRV' and Test 5-Cycle Category (GL-130.5) is equal to "FTP75", then Test Number (GL-127) must have associated Test Result/Emission Name (TI-19) equal to 'MFR FE'.	(GL-127) (TI-19)
If Test Fuel Category (GL-130.2) is equal to 'G', 'D', 'CNG', or 'LPG' and Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC' or '5C-MOD' and Hybrid Indicator (GL-13.5.2) is equal to 'No' and Test 5-Cycle Category (GL-130.5) is equal to 'FTP75', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', 'FE BAG 2', and 'FE BAG 3'. (Test Result/Emission Name 'FE BAG 4' is not allowed).	(GL-127) (TI-19)
If Test Fuel Category (GL-130.2) is equal to 'G','D','CNG',or 'LPG' and Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC' or '5C-MOD' and Hybrid Indicator (GL-13.5) is equal to 'Yes' and 5 Cycle Hybrid Fuel Economy Label Calculation Approach (GL-79.1) is equal to 'HEV-4B' and Test 5-Cycle Category (GL-130.5) is equal to 'FTP75', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', 'FE BAG 2', 'FE BAG 3', and 'FE BAG 4'.	(GL-127) (TI-19)
If Test 5-Cycle Category (GL-130.5) is equal to 'HWY', then Test Number (GL-127) must have associated Test Result/Emission Name (TI-19) equal to 'MFR FE'. (Test Result/Emission Name(s) 'FE BAG 1', 'FE BAG 2', 'FE BAG 3', and 'FE BAG 4' are not allowed).	(GL-127) (TI-19)
If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-VEHSPEC' and Test 5-Cycle Category (GL-130.5) is equal to 'US06', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', and 'FE BAG 2'. (Test Result/Emission Name(s) 'FE BAG 3', and 'FE BAG 4' are not allowed).	(GL-127) (TI-19)

If Fuel Economy Label Calculation Approach (GL-79) is equal to '5C-MOD' and Test 5-Cycle Category (GL-130.5) is equal to 'US06', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'MFR FE', 'FE BAG 1', and 'FE BAG 2'. (Test Result/Emission Name(s) 'FE BAG 3', and 'FE BAG 4' are not allowed).	(GL-127) (TI-19)
If Test 5-Cycle Category (GL-130.5) is equal to 'FTP20', then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', 'FE BAG 2' and 'FE BAG 3'. (Test Result/Emission Name 'FE BAG 4' is not allowed).	(GL-127) (TI-19)
If Test 5-Cycle Category (GL-130.5) is equal to 'SC03', then Test Number (GL-127) must have associated Test Result/Emission Name (TI-19) equal to 'MFR FE'. (Test Result/Emission Name(s) 'FE BAG 1', 'FE BAG 2', 'FE BAG 3', and 'FE BAG 4' are not allowed).	(GL-127) (TI-19)
If the Total Road Load Horsepower (GL-122) is greater than the tested vehicles' EPA-Calculated Total Road Load Horsepower (VI-43.5), or the Equivalent Test Weight (ETW) (GL-123) is greater than the tested vehicles' ETW (VI-30), or the axle ratio (GL-120) is greater than the tested vehicles' axle ratio, then Analytically-Derived FE / CREE Indicator (GL-131) must be equal to 'Yes'.	(GL-131)
If the Analytically-Derived FE / CREE Indicator (GL-131) is equal to 'No' and [Total Road Load Horsepower (GL-122) is less than the tested vehicles' EPA-Calculated Total Road Load Horsepower (VI-43.5), or the Equivalent Test Weight (ETW) (GL-123) is less than the tested vehicles' ETW (VI-30), or the Axle Ratio (GL-120) is less than the tested vehicles' axle ratio], then Data substitution Indicator (GL-132) must be equal to 'Yes'.	(GL-132)
If Model Year (GL-3) is greater than or equal to 2011, then the Averaging Method (GL-133) cannot be equal to 'S' (Simple averaging).	(GL-133)
If Gas Guzzler Exempt (GL-106) is equal to 'T' (Truck), then FE Label Carline Class Code (CL-5) for entered Carline Code (GL-12) must be equal to 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 30, 31, 32, or 33.	(CL-5) (GL-12)
If Gas Guzzler Exempt (GL-106) is equal to 'N' (Not Exempt) and if Fuel Usage (GL-89) begins with 'G' (Gasoline) or 'D' (Diesel), then Manufacturer-Calculated Gas Guzzler Mile Per Gallon (GL-173.1) is required, otherwise it is optional.	(GL-173.1)

If Mfr Voluntary Lower FE or Higher Energy Consumption Label Value (GL-85) is equal to 'No', then Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) is not allowed.	(GL-101)
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) is present and Fuel Economy Value Unit (GL-90) is equal to 'MPG' (miles per gallon) or 'MPK' (miles per kilogram), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) must be lower than Mfr Calculated Rounded Adjusted Model Type Highway FE Value (GL-98).	(GL-101) (GL-98)
If Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) is present and Fuel Economy Value Unit (GL-90) is equal to 'KW-HR/100Miles' (kilowatt-hour per 100 miles), then Manufacturer Voluntary Lower FE or Higher Energy Consumption Highway Label Value (GL-101) must be greater than Mfr Calculated Rounded Adjusted Model Type Highway FE Value (GL-98).	(GL-101) (GL-98)
If Test Fuel Category (GL-130.2) = 'G' (Gasoline), 'D' (Diesel), 'CNG' (Compressed Natural Gas),or 'LPG' (Liquified Natural Gas) and Fuel Economy Label Calculation Approach (GL-79) = '5C-VEHSPEC' (Vehicle Specific 5-cycle label) or '5C-MOD' (Derived Vehicle Specific 5-cycle Calculation Approach for city label but Modified 5-cycle Calculation Approach for Highway label) and Hybrid Indicator (GL-13.5.2) = 'Y' (Yes) and 5 Cycle Hybrid Fuel Economy Label Calculation Approach (GL-79.1)= 'HEV-2B' (Hybrid 2 Bag) and Test 5-Cycle Category (GL-130.5)= 'FTP75' (Federal Test Procedure (75 °F)), then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1', and 'FE BAG 2'. (Test Result/Emission Name(s) 'FE BAG 3', and 'FE BAG 4' are not allowed).	(GL-127)
If Fuel Economy Label Calculation Approach (GL-79) = '5C-VEHSPEC' (Vehicle Specific 5-cycle label) and Test 5-Cycle Category (GL-130.5) = 'US06' Then Test Number (GL-127) must have associated Test Result/Emission Name(s) (TI-19) equal to 'FE BAG 1' and 'FE BAG 2'. (Test Result/Emission Name(s) "FE BAG 3", and "FE BAG 4" are not allowed).	(GL-127)
Test Numbers (GL-127) with the following Test Fuel Types are not allowed for FE Label (Test Fuel Type (TI-9) : 8, 10, 31, 32, 33, 36, 45, 71).	(GL-127)
Transmission Type (GL-67) equal to 'OT' (Other) is not allowed.	(GL-67)

If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Fuel Economy Rating (GL-203) is required, otherwise it is optional.	(GL-203)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated City Fuel Economy Label Lower Range Value (GL-168) is not allowed.	(GL-168)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated GHG Rating (GL-205) is required, otherwise it is optional.	(GL-205)
If Gas Guzzler Exempt (GL-106) equals 'N' (No), then FE Label Carline Class Code (CL-5) for the Carline for this FE Label must be less than '10' or equal to '17' or '18'.	(CL-5)
If Model Year (GL-3) is greater than or equal to '2013', then Unique Carline/Subconfiguration Test Group(s) (GL-207) is required, otherwise it is optional.	(GL-207)
The Unique Carline/Subconfiguration Test Group(s) (GL-207) must exist in the system.	(GL-207)
Test Groups provided for Unique Carline/Subconfiguration Test Group(s) (GL-207) must be one of the provided Subconfiguration Test Groups (GL-126).	(GL-207)
All of the unique Test Groups submitted in the Subconfiguration Sales Information (GL-126) that have the same Carline as the Model Type for this FE Label must be submitted as one of the Unique Carline/Subconfiguration Test Groups (GL-207).	(GL-207)
Test Groups listed in the Unique Carline/Subconfiguration Test Groups (GL-207) must be certified and must have one Certified Model Carline the same as the Carline of the Model Type for this FE Label.	(GL-207)
Duplicate Unique Carline/Subconfiguration Test Groups (GL-207) are not allowed.	(GL-207)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Smog Rating (GL-208) is required, otherwise it is optional.	(GL-208)
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label) and Fuel Usage (GL-89) equals 'EL' (Electricity), then PHEV Composite Combined MPGe (GL-221) is required, otherwise it is optional.	(GL-221)

If Model Year (GL-3) is greater than or equal to '2013', then either Manufacturer-Calculated Amount Saved Over 5 Years (GL-210) or Manufacturer-Calculated Amount Spent Over 5 Years (GL-212) must be submitted, but not both.	(GL-210) (GL-212)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Amount Saved Over 5 Years (GL-210) must be rounded to the nearest $50.	(GL-210)
If Model Year (GL-3) is greater than or equal to '2013' and Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present, then Manufacturer Voluntary Higher Combined Fuel Consumption (GL-275) is required, otherwise it is optional.	(GL-275)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Increased Amount Spent Over 5 Years (GL-212) must be rounded to the nearest $50.	(GL-212)
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label) and Fuel Usage (GL-89) equals 'EL' (Electricity), then PHEV Composite Highway MPGe (GL-220) is required, otherwise it is optional.	(GL-220)
If Label Recalculation (GL-87) equals 'Y' (Yes) and there exists an active record with the same Model Type Index (GL-1), Manufacturer Code (GL-2), and Model Year (GL-3) where Label Recalculation (GL-87) equals 'N' (No), then the Release Date of the original record must be earlier than the new Release Date (GL-176).	(GL-176)
If Fuel Economy Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label), then there must be at least two values for Fuel Usage (GL-89), one of which must equal 'EL' (Electricity).	(GL-89)
If Fuel Usage (GL-89) does not equal 'H' (Hydrogen) or 'EL' (Electricity), then only one value for Fuel Economy Value Unit (GL-90) must be present and it must equal 'MPG' (miles per gallon).	(GL-90)
If Fuel Usage (GL-89) equals 'EL' (Electricity), then two values for Fuel Economy Value Unit (GL-90) must be present and must equal 'KW-HR/100Miles' (kilowatt-hour per 100 miles) and 'MPG' (miles per gallon).	(GL-90)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Annual Fuel Cost (GL-81) must be submitted in increments of $50.	(GL-81)

If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Unrounded Unadjusted Model Type City CO2 Value (GL-268) is required, otherwise it is optional.	(GL-268)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Unrounded Unadjusted Model Type Highway CO2 Value (GL-269) is required, otherwise it is optional.	(GL-269)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Unrounded Unadjusted Model Type Combined CO2 Value (GL-270) is required, otherwise it is optional.	(GL-270)
If Fuel Usage (GL-89) does not equal 'EL' (Electricity), then PHEV Composite City MPGe (GL-219) is not allowed.	(GL-219)
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label) and Fuel Usage (GL-89) equals 'EL' (Electricity), then PHEV Composite City MPGe (GL-219) is required.	(GL-219)
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label) and Fuel Usage (GL-89) equals 'EL' (Electricity), then PHEV Total Driving Distance (GL-218) is required, otherwise it is optional.	(GL-218)
If Model Year (GL-3) is greater than or equal to '2013' and Fuel Usage (GL-89) equals 'EL' (Electricity) and the Off-Board Charge Capable Indicator (TG-8.2) of the Representative Test Group (GL-13.5) equals 'Y' (Yes), then either Charge Time (Hours) at 240 Volts (GL-216) or Charge Time (Hours) at 120 Volts (GL-217), but not both, must be present and must be greater than 0.	(GL-216) (GL-217)
Warning: The FE Label has Road Load information submitted to Verify for this Model Type Index (GL-1), Manufacturer Code (GL-2) and Model Year (GL-3). Please make a correction to the Road Load if the changes made to FE Label have a reference to Road Load.	(GL-1) (GL-2) (GL-3)
Maximum Ethanol Percentage (GL-104) cannot be less than '10'.	(GL-104)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated 5-Cycle Rounded Adjusted Model Type City CO2 Value (GL-235) is required, otherwise it is optional.	(GL-235)

If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated 5-Cycle Rounded Adjusted Model Type Highway CO2 Value (GL-236) is required, otherwise it is optional.	(GL-236)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated 5-Cycle Rounded Adjusted Model Type Combined CO2 Value (GL-201) is required, otherwise it is optional.	(GL-201)
If one of the Fuel Usage (GL-89) values for this Model Type is 'E' (Ethanol), then the Maximum Ethanol Percentage (GL-104) must be equal to '85' for all Fuel Usage values (GL-89).	(GL-104)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Highway Fuel Economy Label Upper Range Value (GL-171) is not allowed.	(GL-171)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Highway Fuel Economy Label Lower Range Value (GL-170) is not allowed.	(GL-170)
If Model Year (GL-3) is greater than or equal to '2013', and if Manufacturer Voluntary Lower FE or Higher Energy Consumption Combined Label Value (GL-102) is present, then Manufacturer Voluntary Higher CO2 Combined Label Value (GL-276) is required, otherwise it is optional.	(GL-276)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated City Fuel Economy Label Upper Range Value (GL-169) is not allowed.	(GL-169)
If Model Year (GL-3) is greater than or equal to '2013', then Manufacturer-Calculated Adjusted Combined Model Type Fuel Consumption (GL-214) is required for at least one fuel usage, otherwise it is optional.	(GL-214)
If Model Year (GL-3) is greater than or equal to '2013' and FE Label Calculation Approach (GL-79) equals 'PHEV' (Plug-in Hybrid Label), then Manufacturer-Calculated Adjusted Combined Model Type Fuel Consumption (GL-214) is required for the electricity fuel usage and at least one other fuel usage.	(GL-214)
If a Configuration Index (GL-117) is between 1 and 499 (inclusive) indicating that it is a 'tested' configuration, then that configuration must contain at least one subconfiguration with a Subconfiguration Index (GL-121) between 1 and 49 (inclusive) indicating that it is a 'tested' subconfiguration.	(GL-121)

If a Configuration Index (GL-117) is between 500 and 999 (inclusive) indicating that it is an 'untested' configuration, then all subconfigurations contained within that configuration must have a Subconfiguration Index (GL-121) between 50 and 99 (inclusive) indicating that they are 'untested' subconfigurations.	(GL-121)
Warning: Transmission Type (GL-67) equals 'A' (Automatic) and Total Number of Transmission Gears (GL-71) equals '1.' Please check whether Transmission Type (GL-67) should be equal to 'CVT' (Continuously Variable) instead of 'A' (Automatic).	(GL-67)
Warning: EPA has set the Model Type Suppression Indicator (GL-82) equal to 'Y' (Yes). This Model Type Index (GL-1) will be suppressed from the FE Guide.	(GL-1)
If Label Recalculation (GL-87) is equal to 'Y' (Yes), then the reason for relabeling must be included in the Manufacturer FE Label Comments (GL-4) field.	(GL-4)
Warning: Unexpected value in Maximum Ethanol Percentage (GL-104) field. Value entered is greater than 15 percent and less than 85 percent; please double check the value entered and (if correct) enter an appropriate comment in Manufacturer FE Label Comments (GL-4) field confirming that the value entered is correct. If subsequent corrections are made throughout the model year, please continue to include this comment in the Manufacturer FE Label Comments field (GL-4).	(GL-4)
If the Manufacturer Code of the owner of the Subconfiguration Test Group (GL-126) 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 Test Group.	(GL-126)
If an Engine Configuration Number (GL-25) is provided, then the Displacement (VI-22) (rounded to a tenth) of the Test Vehicle associated with the Test Number (GL-127), must be the same as the Engine Displacement (GL-26) (rounded to a tenth) of the label specified by the combination of Test Group (GL-13.5) and Engine Configuration Number (GL-25).	(GL-13.5) (GL-25) (GL-26) (GL-127) (VI-22)
If an Engine Configuration Number (GL-25) is provided, then the Air Aspiration Method (VI-23) of the Test Vehicle associated with the Test Number (GL-127), must be the same as the Air Aspiration Method (GL-35) of the label specified by the combination of Test Group (GL-13.5) and Engine Configuration Number (GL-25).	(GL-13.5) (GL-25) (GL-35) (GL-127) (VI-23)

If the Manufacturer Code (GL-125.5) of the owner of the 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.	(GL-125.5)
If the Manufacturer Code of the owner of the Representative Test Group (GL-13.5) 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 Test Group.	(GL-13.5)
Test Group (GL-126) must exist in Verify as a certified Test Group.	(GL-126)
The Representative Test Group (GL-13.5) must exist in Verify as a certified Test Group.	(GL-13.5)
If Model Year (GL-3) is greater than or equal to '2013' and Fuel Usage (GL-89) begins with 'G' (Gasoline), then Manufacturer-Calculated Adjusted Combined Model Type Fuel Consumption (GL-214) is required for that fuel usage.	(GL-214)
If the Analytically-Derived FE / CREE Indicator (TI-13.5) of the Test Number (GL-127) is equal to 'N' (No) and at least one of the following is true: 1) Total Road Load Horsepower (GL-122) is greater than the tested vehicle's EPA-Calculated Total Road Load Horsepower (VI-43.5), or 2) Equivalent Test Weight (ETW) (GL-123) is greater than the tested vehicle's ETW (VI-30), or 3) Axle Ratio (GL-120) is greater than the tested vehicle's Axle Ratio (VI-35), then N/V Ratio (GL-281) is required. Otherwise, it is optional.	(GL-281)
Each footprint record within the same submission must be a unique combination of 'Footprint Description' (FT-6), 'Wheelbase (inches)' (FT-7), 'Front Track Width (inches)' (FT-8), and 'Rear Track Width (inches)' (FT-9) for the same Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1).	(FT-6) (FT-7) (FT-8) (FT-9)
A new Footprint record with a Footprint Index that is blank cannot be the same combination of 'Footprint Description' (FT-6), 'Wheelbase (inches)' (FT-7), 'Front Track Width (inches)' (FT-8), and 'Rear Track Width (inches)' (FT-9) as a previously submitted footprint for the same Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4), and Carline Manufacturer Code (FT-1).	(FT-1) (FT-2) (FT-3) (FT-4) (FT-6) (FT-7) (FT-8) (FT-9)
If Process Code (FT-0.5) equals 'R' (Report), then the Manufacturer Code of the Submission Author Details must be the same as the Carline Manufacturer Code (FT-1).	(FT-0.7) (FT-1)

The Manufacturer Code of the Submission Author Details must be the same as the Carline Manufacturer Code (FT-1).	(FT-0.7) (FT-1)
If Process Code (FT-0.5) equals 'C' (Correction) then a record must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).	(FT-1) (FT-2) (FT-3) (FT-4)
If Process Code (FT-0.5) equals 'N' (New) then a record must not exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).	(FT-1) (FT-2) (FT-3) (FT-4)
If Process Code (FT-0.5) equals 'R' (Report), then a record must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).	(FT-1) (FT-2) (FT-3) (FT-4)
Carline Manufacturer Code (FT-1) must exist in the system.	(FT-1)
For a Footprint submission, the Carline must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).	(FT-1) (FT-2) (FT-3) (FT-4)
If Process Code (FT-0.5) is 'N' (New) then Footprint Index (FT-5) is not allowed.	(FT-5)
If Process Code (FT-0.5) is 'C' (Correction) and Footprint Index (FT-5) is not blank, then a Footprint Record must already exist in the system with the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), Carline Code (FT-4) and Footprint Index (FT-5).	(FT-1) (FT-2) (FT-3) (FT-4) (FT-5)
If Process Code (FT-0.5) equals 'D' (Delete), then the Manufacturer Code of the Submission Author Details must be the same as the Carline Manufacturer Code (FT-1).	(FT-0.7) (FT-1)
If Process Code (FT-0.5) is 'D' (Delete) then at least one active footprint record must exist for the same Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4).	(FT-1) (FT-2) (FT-3) (FT-4)
If Process Code (FT-0.5) is 'D' (Delete) then the Carline associated with the Carline Manufacturer Code (FT-1), Model Year (FT-2), Division Code (FT-3), and Carline Code (FT-4) must not have been used in any active CAFE dataset.	(FT-1) (FT-2) (FT-3) (FT-4)
If Model Year (FT-2) is greater than or equal to 2012, then Manufacturer Footprint Target GHG Value Rounded to One Decimal Place (grams per mile) (FT-16) is required. Otherwise, it is optional.	(FT-16)
If Process Code (FT-0.5) is 'C' (Correction) then each Footprint Index Number (FT-5), if present, must be unique.	(FT-5)
The Manufacturer Code of the Submission Author Details must be the same as the EPA Manufacturer Code (FT-0.7).	(FT-0.7)

If FE Label Carline Class Code (CL-5) equals '30' (Small 2WD SUV), then Footprint Vehicle Type (FT-37) is required.	(FT-37)
If Process Code (RL-0.5) equals 'N' (New) or 'C' (Correction), then the Manufacturer Code (RL-1) must match the manufacturer code in the Submission Author Details.	(RL-1)
Manufacturer Code (RL-1) must exist in Verify.	(RL-1)
If Process Code (RL-0.5) equals 'R' (Report) or 'D' (Delete), then a Road Load must already exist in Verify for the same Road Load Index (RL-1.5), Model Year (RL-1.6), FE Label Manufacturer Code (RL-1.8), and FE Label Model Type Index (RL-2).	(RL-1.5) (RL-1.6) (RL-1.8) (RL-2)
Manufacturer-Calculated Total Road Load Horsepower (RL-22) must equal the EPA-calculated Total Road Load Horsepower (RL-23) after both have been rounded to '0.1'.	(RL-22) (RL-23)
Manufacturer-Calculated Total Road Load Horsepower (RL-22) must equal the EPA-Calculated Total Road Load Horsepower (RL-23) after both have been rounded to '0.1'. (Manufacturer-Calculated Total Road Load Horsepower (RL-22) refers to Total Road Load Horsepower (GL-122) in the specified FE Label).	(RL-22) (RL-23) (GL-122)
If Process Code (RL-0.5) equals 'C' (Correction), then a Road Load record must already exist in Verify for the same Road Load Index (RL-1.5), Model Year (RL-1.6), FE Label Manufacturer Code (RL-1.8), and FE Label Model Type Index (RL-2).	(RL-1.5) (RL-1.6) (RL-1.8) (RL-2)
If Process Code (RL-0.5) equals 'N' (New), then an FE Label record must already exist in Verify for the same Model Year (RL-1.6), FE Label Manufacturer Code (RL-1.8), and FE Label Model Type Index (RL-2).	(RL-1.6) (RL-1.8) (RL-2)
If FE Label Subconfiguration Reference Indicator (RL-1.7) equals 'Y' (Yes), then a Subconfiguration must exist in Verify for the same FE Label Base Level Index (RL-2.1), FE Label Configuration Index (RL-2.2) and FE Label Subconfiguration Index (RL-3) in the FE Label specified by the Model Year (RL-1.6), FE Label Manufacturer Code (RL-1.8), and FE Label Model Type Index (RL-2).	(RL-2.1) (RL-2.2) (RL-3)
The Manufacturer Code of the Submission Author Details must be the same as the FE Label Manufacturer Code (RL-1.8).	(RL-1.8)
FE Label Manufacturer Code (RL-1.8) must exist in Verify.	(RL-1.8)

If Process Code (RL-0.5) equals 'R' (Report) or 'D' (Delete), then the Manufacturer Code of the Submission Author Details must be the same as the FE Label Manufacturer Code (RL-1.8).	(RL-1.8)
If FE Label Subconfiguration Reference Indicator (RL-1.7) equals 'Y' (Yes), then FE Label Base Level Index (RL-2.1), FE Label Configuration Index (RL-2.2) and FE Label Subconfiguration Index (RL-3) are required, otherwise they are not allowed.	(RL-2.1) (RL-2.2) (RL-3)
Test Group Name (RL-4) must exist in Verify as a certified Test Group.	(RL-4)
If FE Label Subconfiguration Reference Indicator (RL-1.7) equals 'N' (No), then Test Group (RL-4), Engine Code (RL-5), Axle Ratio (RL-15), ETW (RL-21), and Manufacturer-Calculated Total Road Load Horsepower (RL-22) are required, otherwise they are not allowed.	(RL-4) (RL-5) (RL-15) (RL-21) (RL-22)
If Process Code (RL-0.5) equals 'D' (Delete), then Deletion Reason (RL-28) is required, otherwise it is optional.	(RL-28)
If Process Code (RL-0.5) equals 'N' (New), then a record must not exist in Verify for the same FE Label Manufacturer Code (RL-1.8), Model Year (RL-1.6), FE Label Model Type Index (RL-2) and Road Load Index (RL-1.5).	(RL-1.5) (RL-1.6) (RL-1.8) (RL-2)
If the Manufacturer Code of the owner of the Test Group (RL-4) 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 Test Group.	(RL-4)
If Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then an active record must exist in the system with the same Manufacturer Code (IT-2), VIN (IT-3), Emission Program (IT-4) and Mileage Category (IT-38), and Test Number (IT-5).	(IT-2) (IT-3) (IT-4) (IT-38) (IT-5)
If Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then an active record must exist in the system with the same Manufacturer Code (IT-2), VIN (IT-3), Emission Program (IT-4) and Mileage Category (IT-38), and Test Number (IT-5).	(IT-2) (IT-3) (IT-4) (IT-38) (IT-5)
An active Vehicle Information dataset must exist in the system with the same Manufacturer Code (IT-2), VIN (IT-3), Emission Program (IT-4), and Mileage Category (IT-38).	(IT-2) (IT-3) (IT-4) (IT-38)
An active Vehicle Information dataset must exist in the system with the same Manufacturer Code (IT-2), VIN (IT-3), Emission Program (IT-4), and Mileage Category (IT-38).	(IT-2) (IT-3) (IT-4) (IT-38)

Manufacturer Code (IT-2) must exist in the system.	(IT-2)
Manufacturer Code (IT-2) must exist in the system.	(IT-2)
If the Emission Program (IT-4) is equal to 'R1' (EPA In-Use Surveillance Testing (EPA only)), 'R2' (EPA In-Use Confirmatory Testing (EPA only)), 'C1' (California In-Use confirmatory testing Phase 1), or 'C2' (California In-Use confirmatory testing Phase 2), then the Manufacturer Code (IT-2) of the Submission Author Details must be 'EPA' or 'ARB' or 'LOD'.	(IT-2)
If the Emission Program (IT-4) is equal to 'R1' (EPA In-Use Surveillance Testing (EPA only)), 'R2' (EPA In-Use Confirmatory Testing (EPA only)), 'C1' (California In-Use Confirmatory Testing Phase 1), or 'C2' (California In-Use Confirmatory Testing Phase 2), then the Manufacturer Code (IT-2) of the Submission Author Details must be 'EPA' or 'ARB' or 'LOD'.	(IT-2)
If the Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then Test Number (IT-5) is required; otherwise it is not allowed.	(IT-5)
If the Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then Test Number (IT-5) is required; otherwise, it is not allowed.	(IT-5)
If the Process Code (IT-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then Test Number (IT-5) is required; otherwise, it is not allowed.	(IT-5)
The Test Laboratory Code (IT-7) must be valid.	(IT-7)
If the Weighted Result (IT-29) is greater than the Federal In-Use Standard (IT-31), then the Federal Pass/Fail/Void Status (IT-10) must equal 'F' (Fail) or 'V' (Void).	(IT-10)
If the Weighted Result (IT-29) is greater than the California In-Use Standard (IT-32), then the California Pass/Fail/Void Status (IT-11) must equal 'F' (Fail) or 'V' (Void).	(IT-11)
If the Federal Pass/Fail/Void Status (IT-10) is equal to 'F' (Fail) or 'V' (Void), then Test Comments (IT-37) is required.	(IT-37)
If the California Pass/Fail/Void Status (IT-10) is equal to 'F' (Fail) or 'V' (Void), then Test Comments (IT-37) is required.	(IT-37)
The Test Date (IT-12) must not be greater than the submission date.	(IT-12)
If the Test Condition (IT-13) is equal to 'SS' (Set to Spec), then the Manufacturer Code (IT-2) of the Submission Author Details must be 'EPA' or 'ARB' or 'LOD'.	(IT-2)
If the Test Condition (IT-13) is equal to 'AM' (After Maintenance), then Test Comments (IT-37) is required.	(IT-37)

If Process Code (IT-1) is 'D' (Delete), then Deletion Reason (IT-39) is required.	(IT-39)
If the category of the Test Procedure (IT-14) is 'FTP' (Test Procedure equal to '2', '11', '21', '25', '31', '35', '41', '45', '51', '52', '80', or '81'), then Bag 1 Result (IT-33), Bag 2 Result (IT-34), and Bag 3 Result (IT-35) are required.	(IT-33) (IT-34) (IT-35)
If the category of the Test Procedure (IT-14) is 'FTP' (Test Procedure equal to '2', '11', '21', '25', '31', '35', '41', '45', '51', '52', '80', or '81') and the test vehicle is a hybrid (Drive Source (TG-7) equals 'H' (Hybrid)), then Bag 4 Result (IT-36) is required.	(IT-36) (TG-7)
IUVP Test Information can only be accepted within the allowed time range of submissions for the Model Year (IV-8) of the test vehicle and the Mileage Category (IT-38).	(IV-8) (IT-38)
Test Date (IT-12) must be greater than the Build Date (IV-33) of the vehicle.	(IV-33) (IT-12)
Test Date (IT-12) must be greater than the Build Date (IV-33) of the vehicle.	(IV-33) (IT-12)
Test Procedure Codes (IT-14) of '51', '52', '80', '81', '82', or '83' are not allowed.	(IT-14)
Test Result/Emission Names (IT-28) of 'FE BAG 1', 'FE BAG 2', 'FE BAG 3', and 'FE BAG 4' are not allowed.	(IT-28)
If the Test Procedure (IT-14) is an ORVR (24 or 44) or Running Loss (32 or 37) test, then a Test Result/Emission Name (IT-28) of 'HC-TOTAL' is not allowed.	(IT-28)
The Test Result/Emission Name (IT-28) of 'HC' is only allowed for ORVR (Test Procedure (IT-14) equal to 24 or 44) or Running Loss (Test Procedure (IT-14) equal to 32 or 37) tests.	(IT-28)
If the Emission Program (IT-4) is not equal to 'R1' (EPA In-Use Surveillance Testing (EPA only)), 'R2' (EPA In-Use Confirmatory Testing (EPA only)), 'C1' (California In-Use confirmatory testing Phase 1), or 'C2' (California In-Use confirmatory testing Phase 2), then the Manufacturer Code of the Submission Author Details must match the Manufacturer Code (IT-2) of the dataset.	(IT-2)
The Manufacturer Code of the Submission Author Details must match the Manufacturer Code (IT-2) of the requested dataset.	(IT-2)
Test Result Names (IT-28) of 'CO2 BAG 1', 'CO2 BAG 2', 'CO2 BAG 3', and 'CO2 BAG 4' are not allowed.	(IT-28)

If Model Year (IV-8) of the test vehicle is greater than '2014' and the category of the Test Procedure (IT-14) is 'FTP' (Test Procedure equal to '2', '11', '21', '25', '31', '35', '41', '45', '51', '52', '80', or '81'), 'US06' (Test Procedure equal to '16', '90', or '96'), 'SC03' (Test Procedure equal to '95'), 'HWY' (Test Procedure equal to '3'), or 'CD' (Test Procedure equal to '81', '83', '84', '85', or '86'), then Test Result/Emission Names (IT-28) of 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), 'DT-EER' (Drive Trace Energy Economy Rating) are required; otherwise, they are optional.	(IT-28)
If Test Result/Emission Name (IT-28) equals 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), or 'DT-EER' (Drive Trace Energy Economy Rating), then Weighted Result (IT-29) must be greater than or equal to -99.99 and less than or equal to 99.99; otherwise, Weighted Result (IT-29) must be greater than or equal to 0.	(IT-29)
If Test Result/Emission Name (IT-28) equals 'DT-IWRR' (Drive Trace Inertia Work Ratio Rating), 'DT-ASCR' (Drive Trace Absolute Speed Change Rating), or 'DT-EER' (Drive Trace Energy Economy Rating), then Test Result Unit (IT-30) must equal 'N/A' (not applicable); otherwise, Test Result Unit (IT-30) must not equal 'N/A' (not applicable).	(IT-30)
If Process Code (IV-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then an active record must exist in the system with the same Manufacturer Code (IV-2), VIN (IV-3), Emission Program (IV-4) and Mileage Category (IV-20).	(IV-2) (IV-3) (IV-4) (IV-20)
If Process Code (IV-1) is equal to 'R' (Report) or 'C' (Correction) or 'D' (Delete), then an active record must exist in the system with the same Manufacturer Code (IV-2), VIN (IV-3), Emission Program (IV-4) and Mileage Category (IV-20).	(IV-2) (IV-3) (IV-4) (IV-20)
If Process Code (IV-1) is equal to 'N' (New), then an active record must not exist in the system with the same Manufacturer Code (IV-2), VIN (IV-3), Emission Program (IV-4) and Mileage Category (IV-20).	(IV-2) (IV-3) (IV-4) (IV-20)
Manufacturer Code (IV-2) must exist in the system.	(IV-2)
Manufacturer Code (IV-2) must exist in the system.	(IV-2)
Test Group (IV-6) must exist in the system as a certified test group.	(IV-6)
If the Model Year (IV-8) is equal to 2010 or later, then Evaporative/Refueling Family (IV-7) must exist in the system.	(IV-7)

If the Emission Program (IV-4) is equal to 'R1' (EPA In-Use Surveillance Testing (EPA only)), 'R2' (EPA In-Use Confirmatory Testing (EPA only)), 'C1' (California In-Use Confirmatory Testing Phase 1), or 'C2' (California In-Use Confirmatory Testing Phase 2), then the Manufacturer Code (IV-2) of the Submission Author Details must be 'EPA' or 'ARB' or 'LOD'.	(IV-2)
The Model Year (IV-8) must match the embedded model year in the Test Group (IV-6).	(IV-6) (IV-8)
The Model Year (IV-8) must match the embedded model year in the Evaporative/Refueling Family (IV-7).	(IV-7) (IV-8)
The Manufacturer Code (IV-2) must match the manufacturer code embedded in the Test Group (IV-6).	(IV-6) (IV-2)
The Manufacturer Code (IV-2) must match the manufacturer code embedded in the Evaporative/Refueling Family (IV-7).	(IV-7) (IV-2)
Manufacturer Division Code (IV-10) must exist in the system.	(IV-10)
If the Model Year (IV-8) is equal to 2010 or later, then Carline Code (IV-11) must exist in the system.	(IV-11)
If Transmission Type (IV-23) is equal to 'OT' (Other), then Transmission Type if Other (IV-24) is required; otherwise, it is not allowed.	(IV-24)
If Transmission Type (IV-23) is equal to 'OT' (Other), then Transmission Type if Other (IV-24) is required; otherwise, it is not allowed.	(IV-24)
If Transmission Type (IV-23) is equal to 'M' (Manual), then Transmission Lockup (IV-25) must equal 'N' (No).	(IV-25)
If Creeper Gear (IV-26) is equal to 'Y' (Yes), then Transmission Type (IV-23) must equal 'M' (Manual).	(IV-23)
If Transmission Type (IV-23) is equal to 'CVT' (Continuously Variable), then Number of Transmission Gears (IV-27) must equal '1'.	(IV-27)
The Date of Inspection (IV-32) must not be greater than the submission date.	(IV-32)
If Commanded MIL Status (IV-35) is equal to 'Y' (MIL Commanded On), then Active Trouble Code Status (IV-36) must equal 'Y' (Active Trouble Codes Present).	(IV-36)
If Active Trouble Code Status (IV-36) is 'Y' (Active Trouble Codes Present), then at least one Active Trouble Code (IV-37) is required.	(IV-37)
If Active Trouble Code Status (IV-36) is 'Y' (Active Trouble Codes Present), then at least one Active Trouble Code (IV-37) is required.	(IV-37)
If Readiness Status Complete (IV-38) is equal to 'N' (Not All Readiness Monitors Are Complete), then at least one Incomplete Readiness Status (IV-39) is required.	(IV-39)

If Readiness Status Complete (IV-38) is equal to 'N' (Not All Readiness Monitors Are Complete), then at least one Incomplete Readiness Status (IV-39) is required.	(IV-39)
If Incomplete Readiness Status (IV-39) is equal to 'OT' (Other), then Vehicle Comments (IV-42) is required.	(IV-42)
If Vehicle Rejection Code (IV-40) is not '0' (Vehicle Was Not Rejected), then Vehicle Rejection Comments (IV-41) is required.	(IV-41)
If Process Code (IV-1) is equal to 'D' (Delete), then Deletion Reason (IV-45) is required.	(IV-45)
IUVP Vehicle Information can only be accepted within the allowed time range of submissions for the Model Year (IV-8) and Mileage Category (IV-20).	(IV-20) (IV-8)
IUVP Vehicle Information can only be accepted within the allowed time range of submissions for the Model Year (IV-8) and Mileage Category (IV-20).	(IV-8) (IV-20)
If Test Fuel Type (TI-9) equals '46' (CARB LEV3 E10 Regular Gasoline), '47' (CARB LEV3 E10 Premium Gasoline), '48' (Tier 3 E10 Regular Gasoline), '49' (Tier 3 E10 Premium Gasoline), '58' (Tier 3 E10 Regular Gasoline [10 RVP-FFV ORVR Only]), or '59' (Tier 3 E10 Premium Gasoline [10 RVP-FFV ORVR Only]), and the Test Procedure (TI-8) equals '23' (FED Fuel 2 Day Evap [Butane]), '27' (CA Fuel 2 Day Evap [Butane Load]), '32' (FED Fuel Running Loss), '34' (FED Fuel 3 Day Evap [Butane Load]), '37' (CA Fuel Running Loss), '38' (CA Fuel 3 Day Evap [Butane Load]), '43' (FED Fuel 2 Day Evap [Heat to Load]), or '47' (CA Fuel 2 Day Evap [Heat to Load]), then a Test Result/Emission Name (TI-19) equal to 'HC-TOTAL-EQUIV' (Total Hydrocarbon Equivalent - Evap Only) must be included.	(TI-19)

Production Status	Development Status
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Not in the System	Under Development (To Be Added)
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)

Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Under Development (To Be Updated)
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Under Development (To Be Updated)
Active	Not Under Development
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)

Not in the System	Under Development (To Be Added)
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Under Development (To Be Updated)
Active	Under Development (To Be Deleted)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)

Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)

Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Not in the System	Under Development (To Be Added)
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Not Under Development
Active	Under Development (To Be Deleted)
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Under Development (To Be Deleted)
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Active	Not Under Development

Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)

Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)

Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Not in the System	Under Development (To Be Added)
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Under Development (To Be Updated)
Active	Under Development (To Be Updated)
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development

Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Active	Not Under Development
Not in the System	Under Development (To Be Added)