

Appendix B

Proposed Test Procedures

This Page Intentionally Left Blank

**LIST OF ACRONYMS AND ABBREVIATIONS USED IN APPENDICES
B-1, B-2, B-3, B-4, B-5, AND B-6**

Acronym or Abbreviation	Description
AECD	Auxiliary Emission Control Devices
ABT	Averaging, Banking, And Trading
ACT	Advanced Clean Trucks
AC	Alternative Current
ADCO2	Analytically Derived CO2
AER	All-Electric Range
AFF	Aerodynamic Front Fairing
APS	Auxiliary Power Systems
APU	Auxiliary Power Units
ARB	California Air Resources Board
AREF	Aerodynamic Rear Fairing
ARF	Aerodynamic Roof Fairing
ARFR	Adjustable Height Aerodynamic Roof Fairing
ASTM	American Society For Testing And Materials
ATC	Advanced Technology Credit
ATI	Automatic Tire Inflation System
ATS	Aerodynamic Side Skirt and/or Fuel Tank Fairing
CA	California
CARB	California Air Resources Board
CCR	California Code Of Regulations
CF	Transient Cycle Conversion Factor
CFR	Code Of Federal Regulations
CFV	Critical Flow Venturi
CH4	Methane
CO	Carbon Monoxide
CO2	Carbon Dioxide
CR	Banked Federal Credits
DEF	Diesel Exhaust Fluid
DOT	Department Of Transportation
DPF	Diesel Particulate Filter
EAS	Combination Of the Engine, Aftertreatment System and Electronic Control Unit
ECCM	Early Compliance Credit Multiplier
ECF	Transient Cycle Conversion Factor
EGR	Exhaust Gas Recirculation
EPA	Air Resources Board (As Used In This Appendix)
ePTO	Electric Power Take-Off
FCL	Family Certification Level
FEL	Family Emission Limit

Date of Release: June 23, 2020

Date of Hearing: August 27, 2020

FTP	Federal Test Procedure
GCWR	Gross Combined Weight Rating
GEM	Greenhouse Gas Emissions Model
GHG	Greenhouse Gas
GVW	Gross Vehicle Weight
GVWR	Gross Vehicle Weight Rating
GWP	Global Warming Potential
HC	Hydrocarbons
HCHO	Formaldehyde
HD	Heavy-Duty
HDDE	Heavy-Duty Diesel Engines
HDE	Heavy-Duty Engine
HDIUT	Heavy-Duty In-Use Testing
HDTT	Heavy-Duty Transient Test
HDV	Heavy-Duty Vehicle
HFET	Highway Fuel Economy Test Cycle
HP	Maximum Rated Engine Horsepower
HVAC	Heating, Ventilation, And Air Conditioning
IRT	Engine Shutoff System
ISO	International Organization For Standardization
LEV II	Low-Emission Vehicle II
LEV III/ LEV 3	Low-Emission Vehicle III
LLC	Low-Load Cycle
LRRR	Low Rolling Resistance Tires (All)
LRRD	Low Rolling Resistance Tires (Drive)
LRRS	Low Rolling Resistance Tires (Steer)
MAEL	Maximum Allowable Emission Limit
MAW	Moving Average Window
MDPV	Medium-Duty Passenger Vehicle
MDV	Medium Duty Vehicle
MIL	Malfunction Indicator Light
MY	Model Year
N ₂ O	Nitrous Oxide
NMHC	Non-Methane Hydrocarbon
NMHCE	Non-Methane Hydrocarbon Equivalent
NMNEHC	Non-methane Non-ethane
NMOG	Non-Methane Organic Gas
NO _x	Oxides Of Nitrogen
NTE	Not-To-Exceed
OBD	On-Board Diagnostics
OMHCE	Organic Material Hydrocarbon Equivalent
OMNMHCE	Organic Material Non-Methane Hydrocarbon Equivalent
PDP	Positive-Displacement Pump

Date of Release: June 23, 2020

Date of Hearing: August 27, 2020

PEMS	Portable Emissions Measurement System
PHEV	Plug-In Hybrid Electric Vehicles
PM	Particulate Matter
PTO	Power Take-Off
RMC	Ramped Modal Cycle
RPM	Revolutions Per Minute
SCR	Selective Catalytic Reduction
SEA	Selective Enforcement Audit
SFTP	Supplemental Federal Test Procedure
SOS	Sum-Over-Sum
SSV	Subsonic Venturi
SULEV	Super-Ultra-Low-Emission Vehicle
TBD	To Be Determined
TGR	Gap Reducing Tractor Fairing
THC	Total Hydrocarbon
THCE	Total Hydrocarbon Equivalent
TPMS	Tire Pressure Monitoring System
U.S. EPA	United States Environmental Protection Agency
UL	Useful Life
ULEV	Ultra-Low-Emission Vehicle
VIN	Vehicle Identification Number
ZEV	Zero Emission Vehicle