The Advanced Combustion and **Emission Control (ACEC)** Technical Team

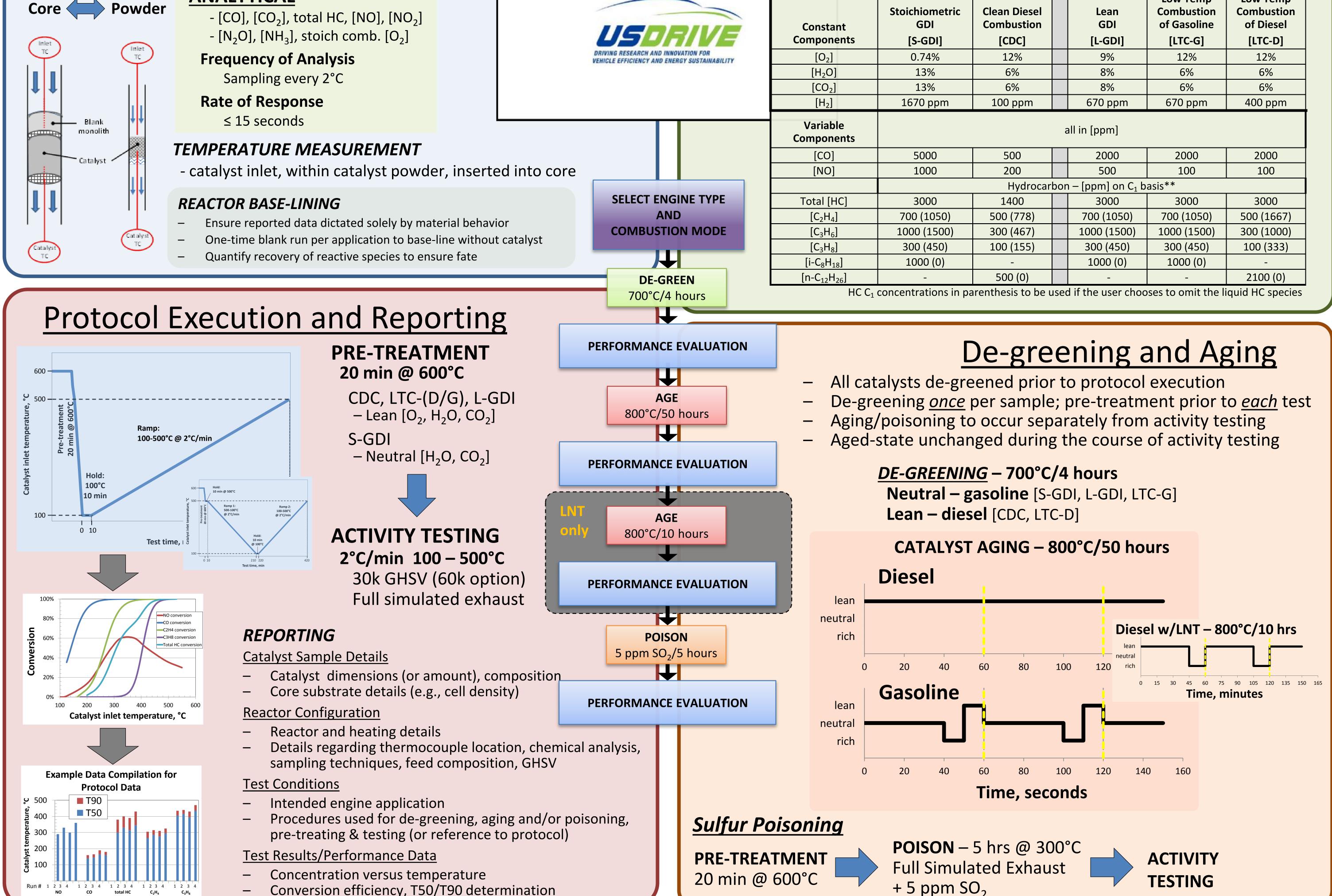
Low Temperature Aftertreatment (LTAT) working group

Including representatives from:

- FCA, Ford, GM, ORNL, PNNL, & DOE

**Low Temperature** Aftertreatment (LTAT) **Test Protocol Development** 

## **Reactor Description**



**ANALYTICAL** 

# **STEP 1** Low-Temperature Oxidation

Aftertreatment Protocols for Catalyst Characterization and Performance Evaluation: Low-Temperature Oxidation Catalyst Test Protocol

The Advanced Combustion and Emission Control (ACEC) Technical Team Low-Temperature Aftertreatment Group

March 2015

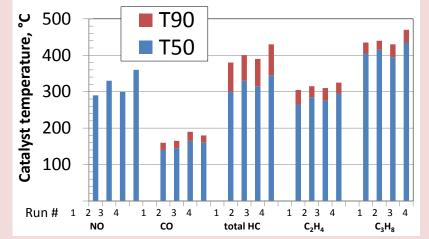




The Protocol is a document that will be distributed via the CLEERS website upon final approval by **USDRIVE** leadership

### **Exhaust Simulation**

Constant Components	Stoichiometric GDI [S-GDI]	Clean Diesel Combustion [CDC]		Lean GDI [L-GDI]	Low Temp Combustion of Gasoline [LTC-G]	Low Temp Combustion of Diesel [LTC-D]
[O <sub>2</sub> ]	0.74%	12%		9%	12%	12%
[H <sub>2</sub> O]	13%	6%		8%	6%	6%
[CO <sub>2</sub> ]	13%	6%		8%	6%	6%
			1			



- Conversion efficiency, T50/T90 determination