

# Procedure proposal for Euro V legislation

GFV-33/HDDF TF meetings (Lyon): 22-  
23 May 2014

NGVA Europe

# Requirement 1

- Perform an ETC before conversion
- Measure CO<sub>2</sub>(BC)
- Do conversion
- Perform an ETC after conversion in Diesel and DF mode
- Measure CO<sub>2</sub>(AC) and CH<sub>4</sub> in DF-mode
- Calculate eq.CO<sub>2</sub> (AC) in DF-mode
- $\text{Eq.CO}_2(\text{AC}) / \text{CO}_2(\text{BC}) \leq 1$
- Measure CO<sub>2</sub>(Diesel mode-AC) in DF-mode
- $\text{CO}_2 (\text{Diesel mode-AC}) / \text{CO}_2(\text{BC}) \leq 1 + \text{uncertainty factor}$

# Requirement 2

- After Conversion perform a PEMS test in Diesel mode
- Measure CO<sub>2</sub>(DM)
- Perform a PEMS test in DF mode
- Measure CO<sub>2</sub>(DF) and CH<sub>4</sub>(DF)
- Calculate the eq.CO<sub>2</sub>(DF)
- $\text{Eq.CO}_2(\text{DF}) / \text{CO}_2(\text{DM}) \leq \text{Uncertainty factor}$