



GUIDELINES FOR FIELD TRAINING REPORT PREPARATION





PURPOSE OF PROVIDING REPORTS IN THE FIELD

- ◆ To enhance theoretical and practical understanding of vehicle emission testers in using smoke meters and gas analyzers.
- ◆ To fulfill the requirements of competency.





REPORT WRITING

- ✦ To outline real field experience on the use of smoke meters and/or gas analyzers when testing vehicle emission
- ✦ To apply the emission limits as stipulated in the Environmental Quality (Emission Control from Diesel Engines) Regulations 1996 and the Environmental Quality (Emissions Control from Petrol Engines) Regulations 1996.
- ✦ To apply the procedures for preparing smoke meter equipment before carrying out emission tests, valid calibration certificates, smoke meter verification (before testing), emission tests on diesel/petrol motor vehicles based on smoke/gas analyzer procedures and procedures for maintaining the equipment and maintenance record.



REPORT CONTENT

- 1.0 Field (on the spot)
 - 1.1 Date/time
 - 1.2 Vehicle/model/engine type number
 - 1.3 Equipment- calibration model/date
 - 1.4 Print – Calibration/verification
 - 1.5 Print – Test
 - 1.6 Diagram of the test (position of equipment
/ exhaust / tester)

**Equipment means smoke meter and/or gas analyser



...REPORT CONTENT

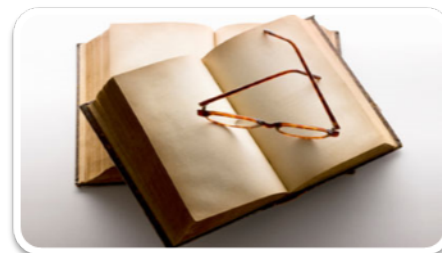
2.0 Testing Information

- 2.1 Name of premises/background
- 2.2 Test date/test time
- 2.3 Vehicle number/model/engine type – 3 different vehicles
- 2.4 Equipment/model/calibration date
- 2.5 Equipment picture, calibration certificate
- 2.6 Flow chart/procedure for using equipment
- 2.7 Print calibration/emission test
- 2.8 Copy of log book/official test report of premise/official record
- 2.9 Diagram (position of equipment/exhaust/tester
- 2.10 Recommendations for overcoming pollution problems

**Equipment means smoke meter and/or gas analyser



REPORT SUBMISSION



✚ The report needs to be provided in two (2) copies and addressed to:-

**Director,
Institute of Environment Malaysia (EiMAS)
Department of Environment
Ministry of Energy and Natural Resources
Universiti Kebangsaan Malaysia Campus
43600 UKM Bangi, Selangor DE**