

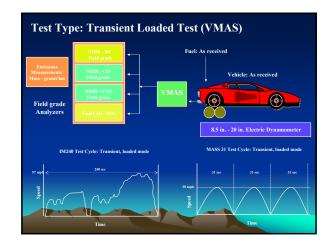
No – Load Tests (Idle)

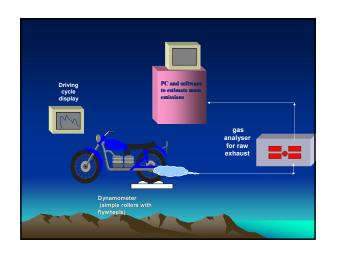
- · Fastest, cheapest and easiest to perform
- Effectively identify faulty vehicles w/o converter
- Not possible to measure NO_x
- Not possible to measure transient emissions
- Detect only 15 % of high emitting vehicles with converter

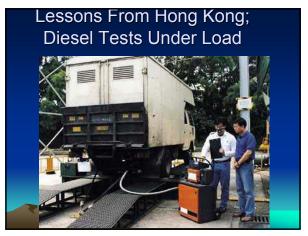
Steady-State Loaded Tests

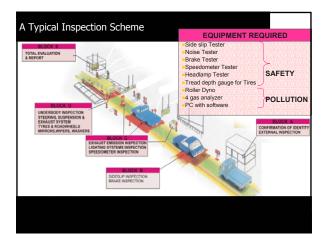
- Possible to measure NO_x
- ASM driving cycles simulates a car during acceleration
- Appropriate to inspect vehicles with converters
- "Type specific" cut points
- Test time app. 10 minutes

Transient Loaded Tests Can identify all high polluters (50 % above set standards) Offer potential emission reductions of 15 – 20 % (CO, HC, NO_x) "Most expensive" test method Test time app. 10 minutes









Auditing of Test Centers Individual auditors to be selected based on their technical expertise. Auditors must undergo a training and evaluation program on regular basis. Certified auditors should be used for conducting unannounced audits to check — equipment status records of measurement and calibration presence of qualified and trained operators proper test procedure being followed Audit plan must be worked out to regularly audit all test centers

Data Collection & Analysis Collected automatically and sent to Data Management Center using the internet Emission performance of in use vehicles organized by vehicle type, model, age etc. Identifying the performance of the center (center showing 'all passes', center giving excessively large number of certificates, etc.) Keeping track of vehicles which have undergone the test & identifying the vehicles due for the test Useful for defining future norms & procedures

