GENEVA: GRPE Particulates Sub-group

Mike Dunne
United Kingdom
Department of the Environment, Transport and the Regions

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Remit

• **Status:** Unofficial group with no mandate.
• **Objective:** To exchange information between interested GRPE members involved in the study of vehicle particulate matter.
History

• Conceived in 1998
• Met on six occasions.
• Presentations have been delivered by all sectors of the membership.
• Topics covered include:
  – Measurement techniques
  – Instrumentation
  – Technology effects
  – Fuel effects.
Where next?

• There is a lot of knowledge on particles and particle measurement - so what are we going to do about it?

• As chairman of the sub-group, I will provide GRPE with proposal at January 2001 session - recommending:
  – 1. Present sub-group is disbanded
  – 2. GPRE consider possible new mandate.
Consideration

- **Fact:** Health issues are linked to particle size and chemical composition.

- **Fact:** Particulate traps reduce particle numbers and reduce chemical complexity.

- **Question:** If it follows that traps can provide clear health benefits and **if policy so demands** - how can we set appropriate standards?
  
  - What Test Procedure?
  - What Measurement Equipment?
  - What Recommended Limits?
One Option?

• Establish type of trap technology.
• Test technology on representative vehicles.
• Determine parameters that characterise “traps”
  – trap effects, fuel effects, additive affects, lub-oil effects, engine effects.
• Develop procedure for Type Approval
  – steady state, transient, regeneration, other?
• Define equipment for T/A test.
Programme?

• 2 years to conclude
• Co-ordinated programme - not joint programme.
• Any organisation welcome to contribute.
• Regular progress review meetings in Geneva (linked to GRPE).