Abstract

- Acceptance for ASEP
- The main approach is finished
- Essential elements: in discussion
- Formal Wording: waiting for decisions
Reminder: why ASEP

- Annex 3 covers the part of the engine map with lower revs

- Decision made to have Additional Sound Emission Provisions to cover a wider part of the engine map (higher revs).
Products to deliver:

Product to deliver: A proposal to GRB for the text (test method, data processing to test result, limits and control range) of annex 10, and - if needed - proposals for necessary changes in the main body.
Meetings:

1. Amsterdam 2005 November
2. The Hague 2006 January
3. Geneva 2006 February
4. Geneva 2006 September
5. The Hague 2006 November
6. Geneva 2007 February
7. The Hague 2007 May
8. The Hague 2007 autumn
9. Ann Arbor USA 2008 January
10. Geneva 2008 February
11. Tokyo 2008 June
What did we accomplished:

- Acceptance of ASEP
- The measurement method (mr Moore)
- Focus only on the ‘normal’ vehicles.
- A choice for a design based system
- We have a system (anchor point, slope, margin)
- Decision to exclude tyre noise (no calculation)
- Intention for text main body
- The beginning of a legal wording
- Decision: COP applies
What do we have to do:

Text Main body
Fine tuning method
Wording annex 10
Decision yes/no ‘Always Testing’
Wording Certificate
Fit with regulation for ‘Replacement Silencers’
Fine tuning method (1)

GER/FRA and OICA methods become close

Differences:
Fixed (FRA/GER) vs relative limit line
Measurement procedure: free vs protocol
Fine tuning method (2)

Work to do: decisions essential elements

- limit line: fixed or relative
- slope limit line (4-5-6-7 dB(A)/1000revs)
- anchor point
- boundary conditions
Fine tuning method (3)

Main issue: anchor point of the limit slope

lower in revs $\rightarrow$ more liberal ASEP limit
higher in revs $\rightarrow$ tougher limit

Difference: up to 6 dB

Relation with COP

By The Way:
Fine tuning method (4)

Boundary condition ‘maximum acceleration’

In discussion:
2 m/s² sufficient for high powered vehicles?
Process

Important decisions take time

Next meeting:
- some members have no position yet
- So open discussion about the essentials of both methods
Thank You