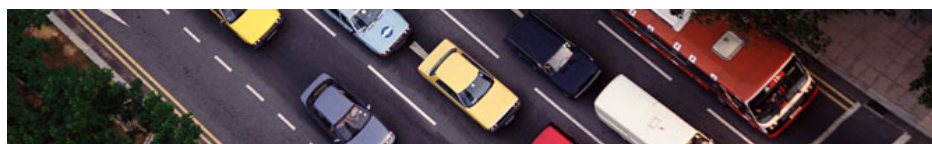


EGEA WG 6 Activities

17th March 2010, Brussels

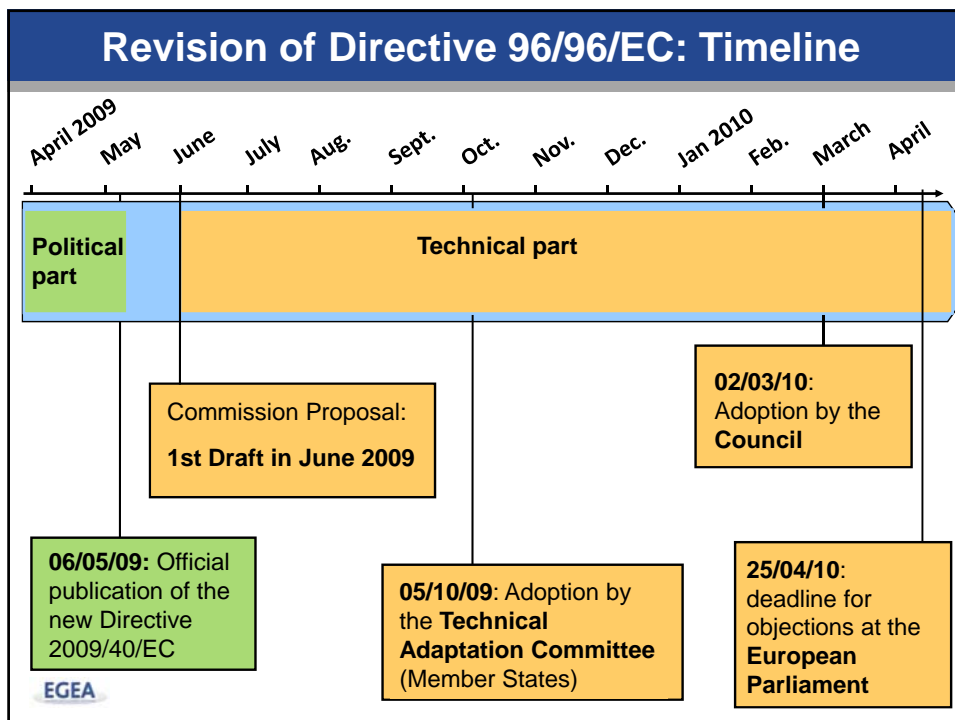
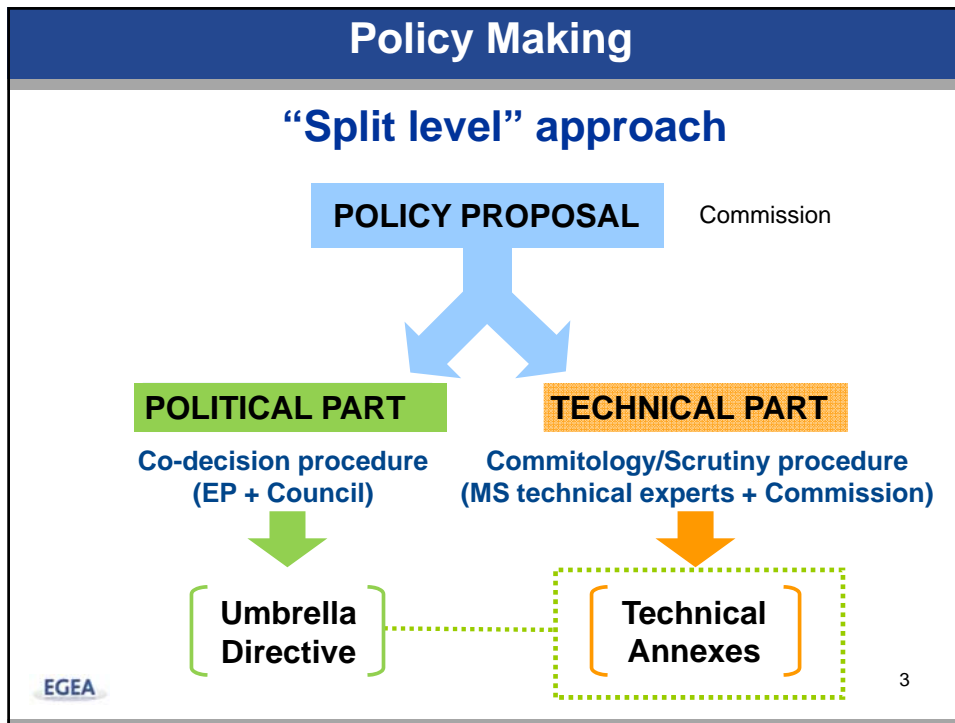


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Revision of Directive 96/96: The new Directive 2009/40



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Commission's objectives for 2009

- Presentation of the first **draft commission proposal** adapting to technical progress
Directive 2009/40/EC on roadworthiness tests



- Adoption by the Member States of the during the **Technical Adaptation Committee (TAC)**
Meeting on the 5th October 2009



- Adoption by the **Council** a decision not to oppose the draft Directive in question thereby allowing its adoption by the Commission



- Adoption by the **European Parliament** a decision not to oppose the draft Directive in question (deadline for objections 25/04/10)



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Commission's objectives for 2010-2011

Amendments to Directive 2009/40/EC:

- **Create legal basis to include failure assessment into Annex II**
- **Revision of Annex I**
 - Test interval for N1 [1-1-1]
 - Test interval for M1 [4-2-1-1]
 - Introduce Category L [2-1-1]
 - Introduce Category O2 [2-1-1]
- **Revision of Annex II**
 - Include failure assessment
 - Update emission test [NO / NO₂ test for diesel]
 - **Efficiency based testing of electronic systems**

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Test of electronic components (ABS, ESC): action plan and start of work



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Aim of today's Working Group meeting

- ➔ Find **common technical basis** for testing:
 - ABS
 - ESC
- ➔ Plan specific WG meeting on set up of **limit values**

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Changes to Directive 2009/40/EC: new test items

➔ New testing items on modern electronic safety systems (Not comfort systems!)

- First step based on check of MIL only
- Member States may use scan tools (~ field test)
 - **Anti-lock Braking System (ABS)**
 - **Electronic Brake System (EBS)**
 - **Electronic Power Steering (EPS)**
 - **Electronic Stability Control (ESC)**
 - **Safety Belt Load Limiter**
 - **Safety Belt pre-tensioner**
 - **Airbag**
 - **SRS Systems**

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Proposals as basis for discussion (1)

ESC

- **AVAILABILITY CHECK**
Identification of the system components and its variants
- **SELF DIAGNOSIS STATUS CHECK**
Polling the status of system lamp of the system control unit
- **FUNCTIONALITY TEST BY ACTIVATING THE ACTUATORS**
Pressure build-up in the brake circuits
- **EFFICIENCY TESTS THROUGH PLAUSABILITY OF ACTUAL SIGNALS**
 - Sensors driving dynamics
 - Signal driving dynamic
 - Sensors capture of actual state brake system
 - Sensors capture of tyre pressure
 - Sensors capture of driver activities
 - Buttons/switches

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Proposals as basis for discussion (2)

ABS

- **AVAILABILITY CHECK**
Identification of the system components and its variants
- **SELF DIAGNOSIS STATUS CHECK**
Polling the status of system lamp of the system control unit
- **FUNCTIONALITY TEST BY ACTIVATING THE ACTUATORS**
Pressure build-up in the brake circuits
- **EFFICIENCY TESTS THROUGH PLAUSABILITY OF ACTUAL SIGNALS**
Sensors driving dynamics
Sensors capture of actual state brake system
Sensors capture of driver activities
Buttons/switches

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Thank you!

