EXPLORATION OF POTENTIAL GOVERNANCE STRATEGIES

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INTRODUCTION
BEETHOVEN'S 9TH SYMPHONY
GOVERNANCE BY THE BOOKS

- DRIVER –TRAINING AND EDUCATION
- VEHICLE –SELF CERTIFICATION, TYPE APPROVAL, ROADWORTINESS
- ENFORCEMENT
- ASSESSMENT AND VERIFICATION, CRASH AND INVESTIGATION DATA GATHERING RESEARCH INPUT,
- TRUE BOTH AT NATIONAL LEVEL (TRAFFIC / HIGHWAY CODE) AND IN INTERNATIONAL FORA (CONVENTIONS AND RECOMMENDATIONS)
NEW AGE

• HUMAN CENTRIC – HUMAN MACHINE INTERACTION – MACHINE MACHINE INTERACTION
• HUMAN CENTRIC – HENCE FOCUSING ON PROMOTING POSITIVE BEHAVIOUR AND REPRESSING NEGATIVE BEHAVIOUR –
• ENFORCEMENT
• REGULATORY AND DEONTOLOGICAL APPROACH, SHARED VALUES AND PRINCIPLES FOSTERING THE CONCEPT OF GOVERNANCE BOTH AT NATIONAL AND INTERNATIONAL LEVEL (CONVENTIONS)
• AUTHORITIES SHALL NOT LET ANY REGULATORY GAP OPEN, BUT STILL IT IS NOT EASY TO PIONEER THIS ASPECT
• TRANSITION FROM TIME 0- LEGISLATION IN β VERSION IS RISKY
• ROLE OF AUTHORITIES- FRAME OF INTERNATIONAL FORA
• WHAT DOES REALLY NEED TO BE REGULATED? WHICH SIDE ON THE FENCE WILL THE NOW CALLED DRIVER BE?
• FROM SKILLS REQUIREMENTS TO SKILLS DEPLETION DRIVER AS SUBSIDIARY ELEMENT/ PASSENGER
• LIABILITY / RELIABILITY OF COMPLEX SYSTEM
CASTING TRAFFIC ROAD SAFETY IN THE APPROPRIATE MOULD

- Quintessential to understand what is really going to hit the road?
- HAV- Fully autonomous vehicle- transition time could be treacherous

- Governments / International forum role in paving the way: set the proper regulatory tools to address the new driver role, traffic policies, vehicle safety standards, security in data handling and mobility architecture, - at this stage a flexible and replicable legislative model.

- Public acceptance
GOVERNANCE : NEED – TO – KNOW

- Assumption of what makes human driver reliable in current legislation
- Frailty of mankind - flaws, failures and casualties
- Corrective action of authorities to address the criticalities
- ?

- Assumption of what makes complex systems reliable
- Expected result: perfection
- Autonomous car / fully autonomy in decisional process
- Ethical artificial intelligence