

Transportation Finance & Road Usage Charging Conference

The Business of Mobility PORTLAND, OR APRIL 26-28, 2015

Hicom

RUC Technology

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Interoperability between Toll Operators

Toll Operator	Final User
 Be concentrated on the fundamentals of its business Share client relationship management (subscribers and occasional users) Share cost : OBU, fraud treatment, payment, Wider range of potential suppliers 	 One contract to travel everywhere based on defined and clear rules One unique invoice Have a new nationwide mobility service (in the future) attached to the person and not to the vehicle
 Key factor of success of interoperability 	

- Common willingness, vision and understandings
- Positive cost benefit analysis
- Joint contractual and technical framework
- Joint type approval entity to test and certify the equipment
- Potential emergence of a layer of mobility service providers



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RUC Technology and Project Specifications

- RUC technology are now mature but ...
- Choosing the adapted technology for a project is still challenging
 - Define : clear objectives, general scheme, interoperability, scalability to what and when, CBA, ... and then make a choice
 - Define requirements to run the future project not to please technology experts
 - Define KPIs that are reachable (limit overcost due to risk coverage) and anticipate how you measure them
- Automated systems still require human resources to be involved in its operation



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Enforcement Technology

- Major technologies are available to proceed to automated control (ANPR, Infrared, laser, road sensors, etc) depending what toll operator targets to measure
- Overall enforcement objectives ? Then define enforcement targets (OBU activation, number axles, classification for trucks, account if prepaid customers, etc). All elements will have an impact on cost of the solution (Capex and Opex)
- Fundamental questions are :
 - What volume of data is the system generate daily ?
 - What is the activation rate of the enforcement system ? Even if the value chain is automated - human resources are requested to validate the fine and treat claims (real impact on Opex)
 - Then, performance of each component of the enforcement value chain is not so crucial