



Economic Validation of Cooperative Vehicle Infra Structures

*Value engineering in a Value Network
environment*

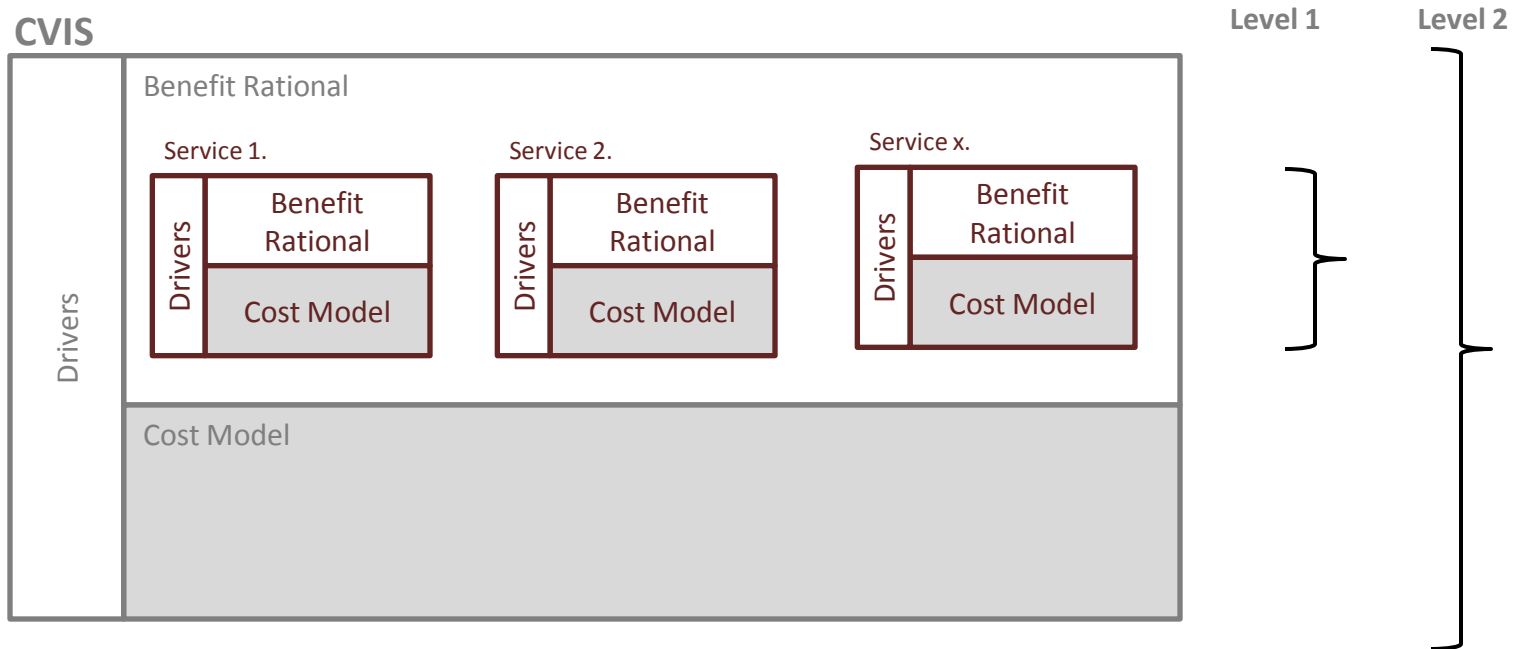
H.J. Booiman EMFC CC

Cooperative Systems on the Road, Helmond, the Netherlands, May 2009

Agenda

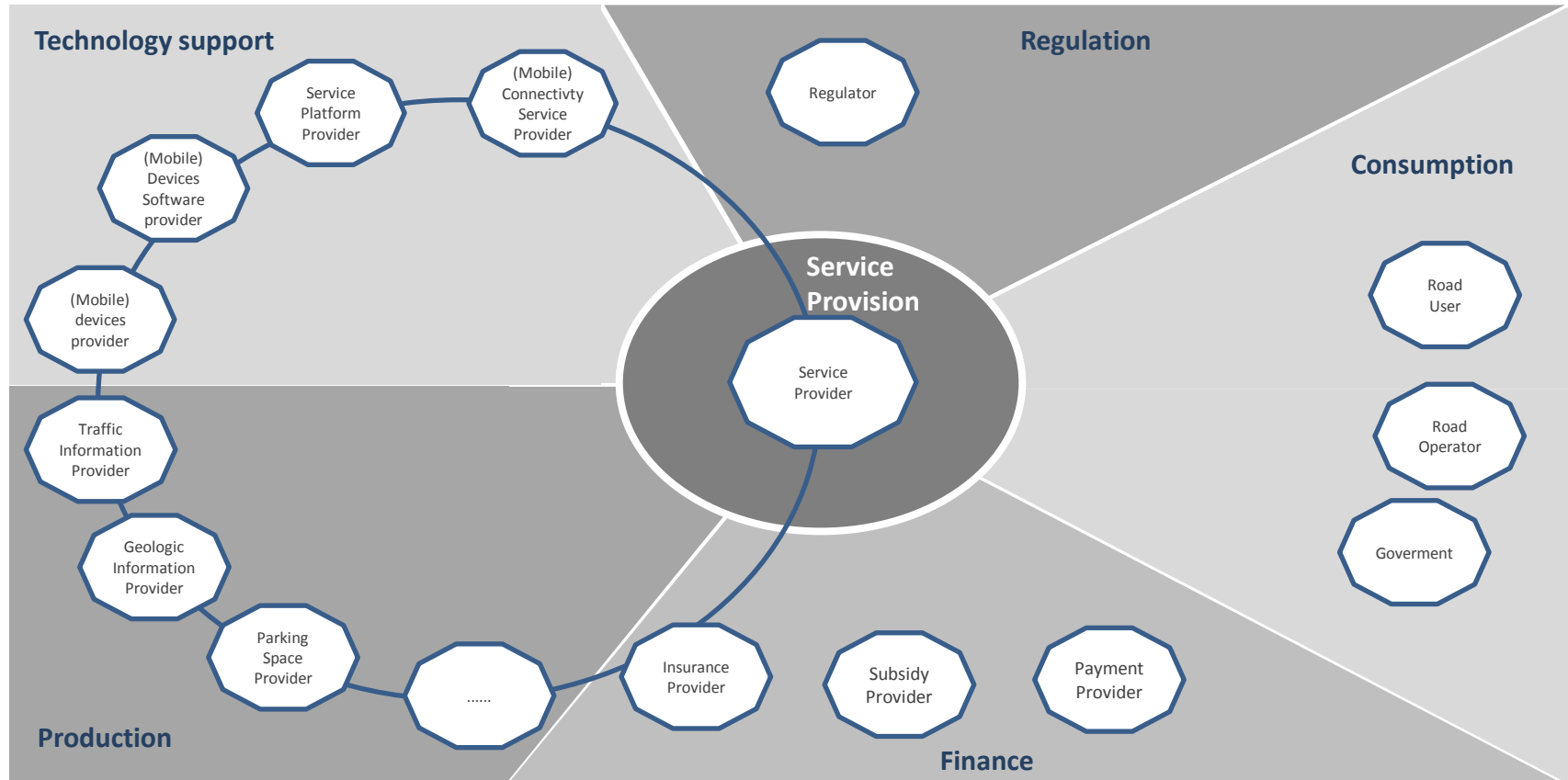
- Two Levels of Validation
- Value Networks
- Infrastructure Cost Model
- Benefit Rational

Two Levels of Validation



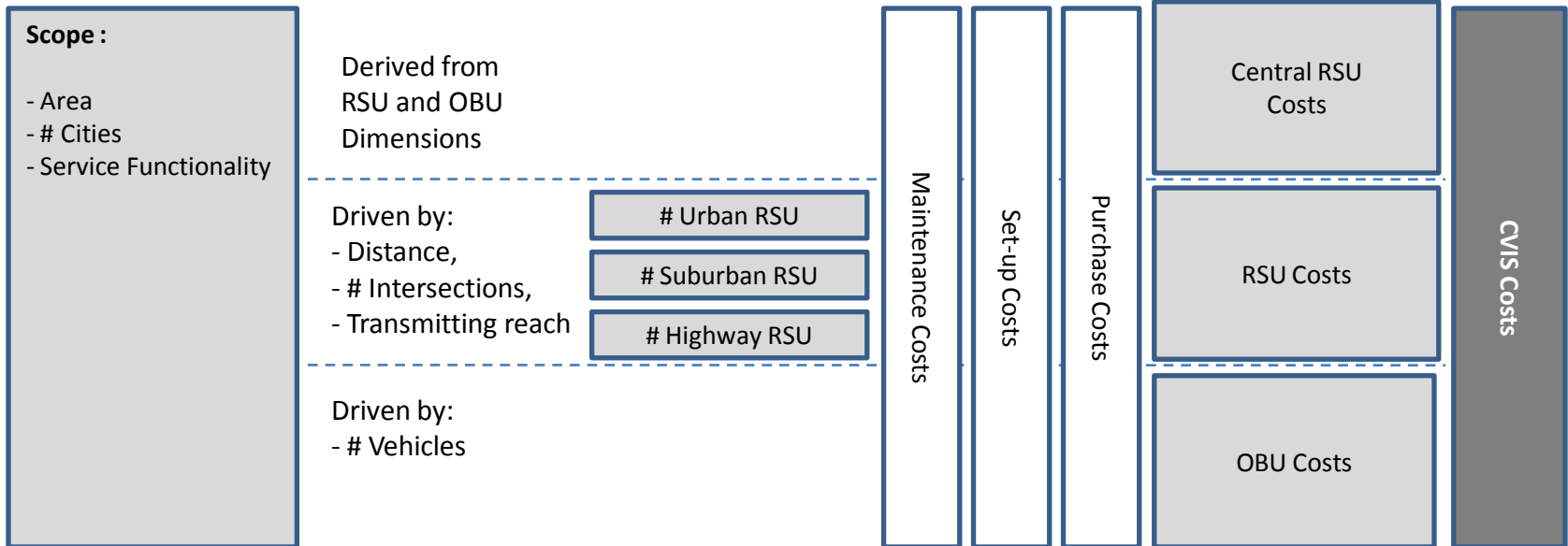
Economic validation of the CVIS infrastructure will only be plausible when the services based on this infrastructure are included.

Level 1: Service Value Networks



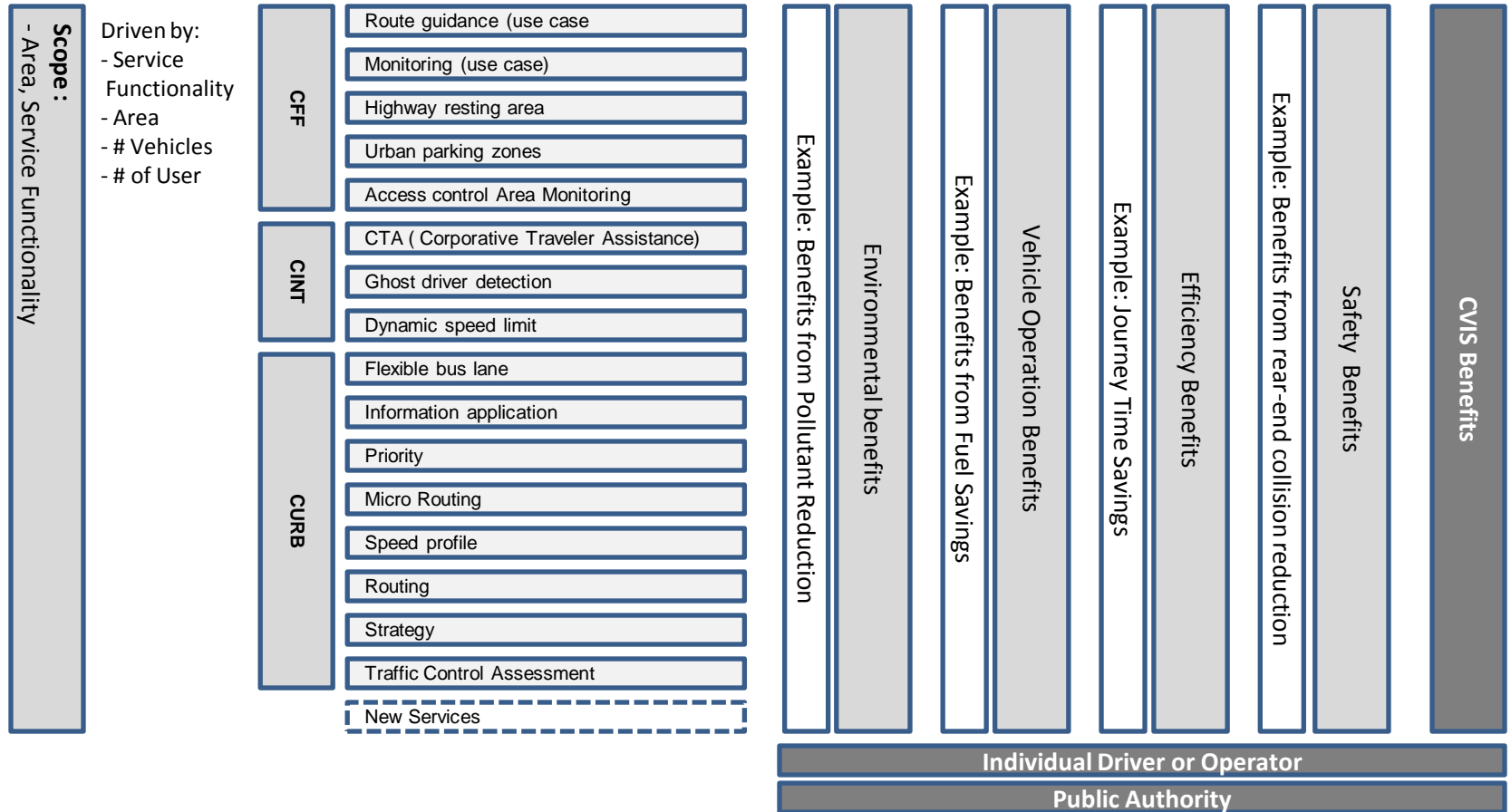
The services that are expected to be provided based on the CVIS infrastructure are not represented by a value chain but by the more complex value network.

Level 2: Infrastructure Cost Model



The costs of the infrastructure are calculated based on a high level cost model where the cost are driven by cost drivers that are derived from the scope of the services

Level 2: Benefit Rational



Market and cost base driven determination of the benefits of the CVIS infrastructure based on the benefits of the CVIS services by expressing them in terms of the financial impact on safety, efficiency, vehicle operation and environment for driver and local, national and international government

Thanks for your Attention



Henk-Jan Booiman EMFC CC
Senior Management Consultant

Prof. W.H. Keesomlaan 14
Postbus 159, 1180 AD Amstelveen
T. +31(0)20 - 503 3000
F. +31(0)20 - 571 3660
M. +31(0)6 - 537 64 044
E. henk-ian.booiman@logica.com
www.logica.nl

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