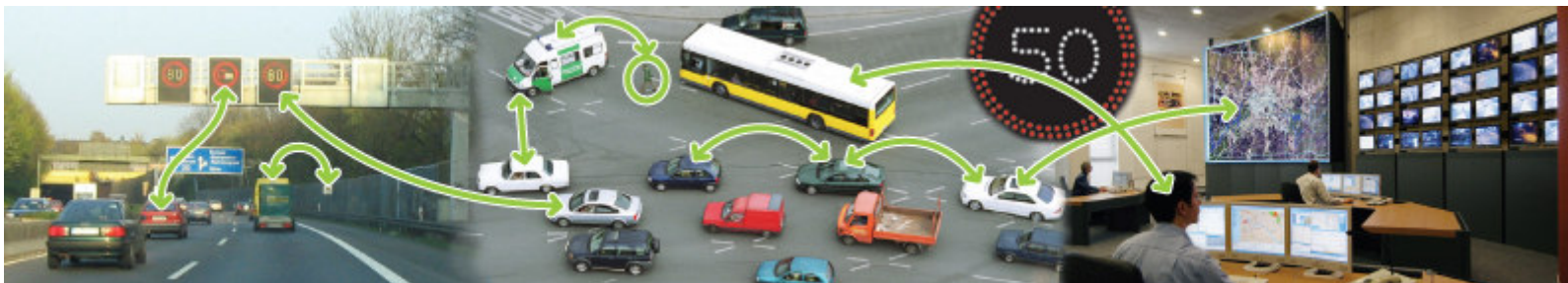




High-Level System Requirements

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High-Level System Requirements

- What?
 - Need to be fulfilled by a system
 - General
 - Not easy to implement





High-Level System Requirements

- Why?
 - Overall system
 - Compliance with other projects / ITS architectures
 - Missing requirements?





High-Level System Requirements

- How?
 - KAREN/FRAME User Needs
 - Subproject internal
 - Synchronisation with other projects





KAREN/FRAME User Needs



- General
- Infrastructure Planning and Maintenance
- Law Enforcement
- Financial Transactions
- Emergency Services
- Travel Information and Guidance
- Traffic, Incident and Demand Management
- Freight and Fleet Management
- Public Transport Management



General User Needs I



- Architecture properties
- Data Exchange
- Adaptability
- Constraints
- Continuity
- Cost/benefits
- Expandability



General User Needs II



- Maintainability
- Quality of Data Content
- Robustness
- Safety
- Security
- User Friendliness



H-L system requirements examples



- Architecture properties
 - The Cooperative Systems Architecture shall ... allow the same service to be provided by various service providers
- Data Exchange
 - ... provide high level description of the message sets and data communication protocols
- Adaptability
 - ... not constrain user interfaces to be of a particular type, or from a particular manufacturer



H-L system requirements examples



- Maintainability
 - ... be easily maintainable with minimum disturbance
- Safety
 - ... not generate a safety hazard for its users
- Security
 - ... be capable of surviving accidental and intentional attacks on their integrity



Important

- Requirement owner
- Compliancy with KAREN/FRAME and other projects
- First set available
- Final set by the end of the project





Thanks for your attention...

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