

NordicWay3 Interchange workshop

European cooperation and harmonization

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Hybrid Communication

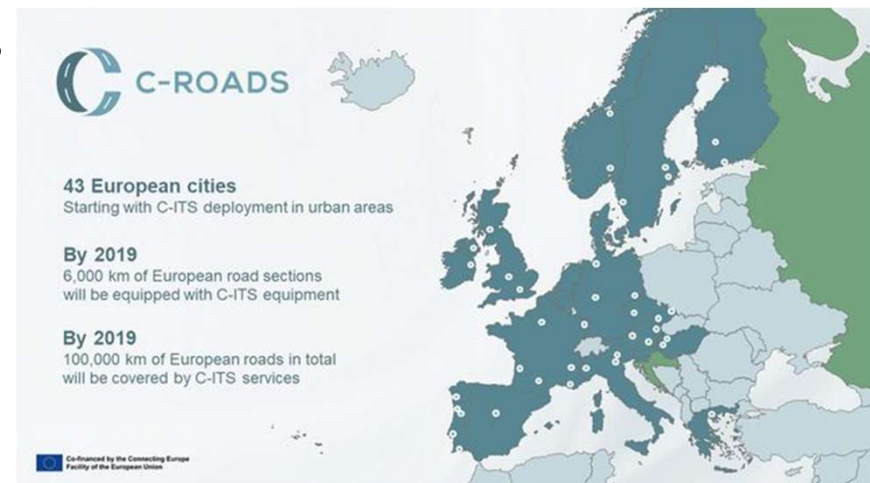
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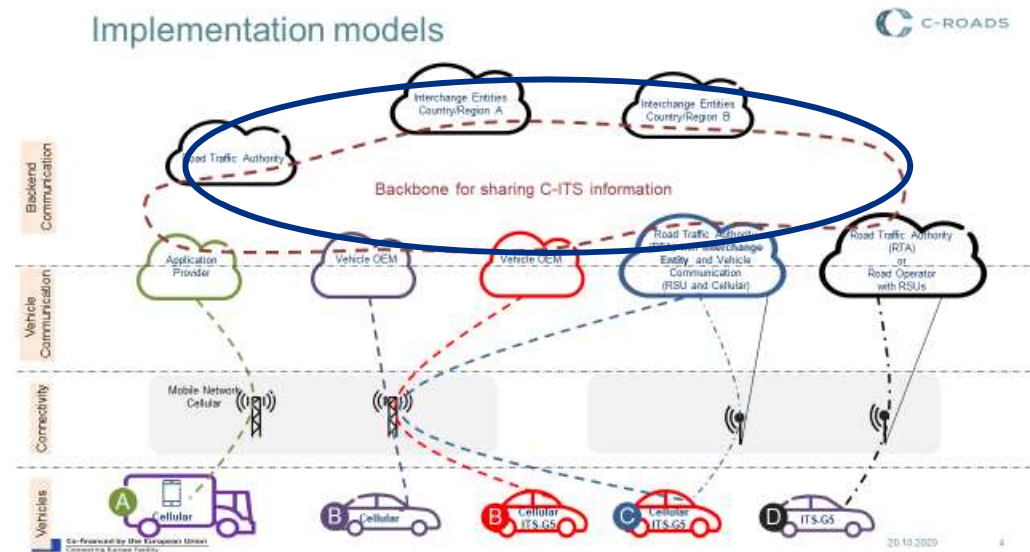
C-Roads – Cooperation between European Member States

- Focus on implementing C-ITS services
- Harmonised specifications for
 - Cross-border information exchange
 - Interoperability
 - Specifications for both short-range (ITS-G5) and long-range (cellular) communication

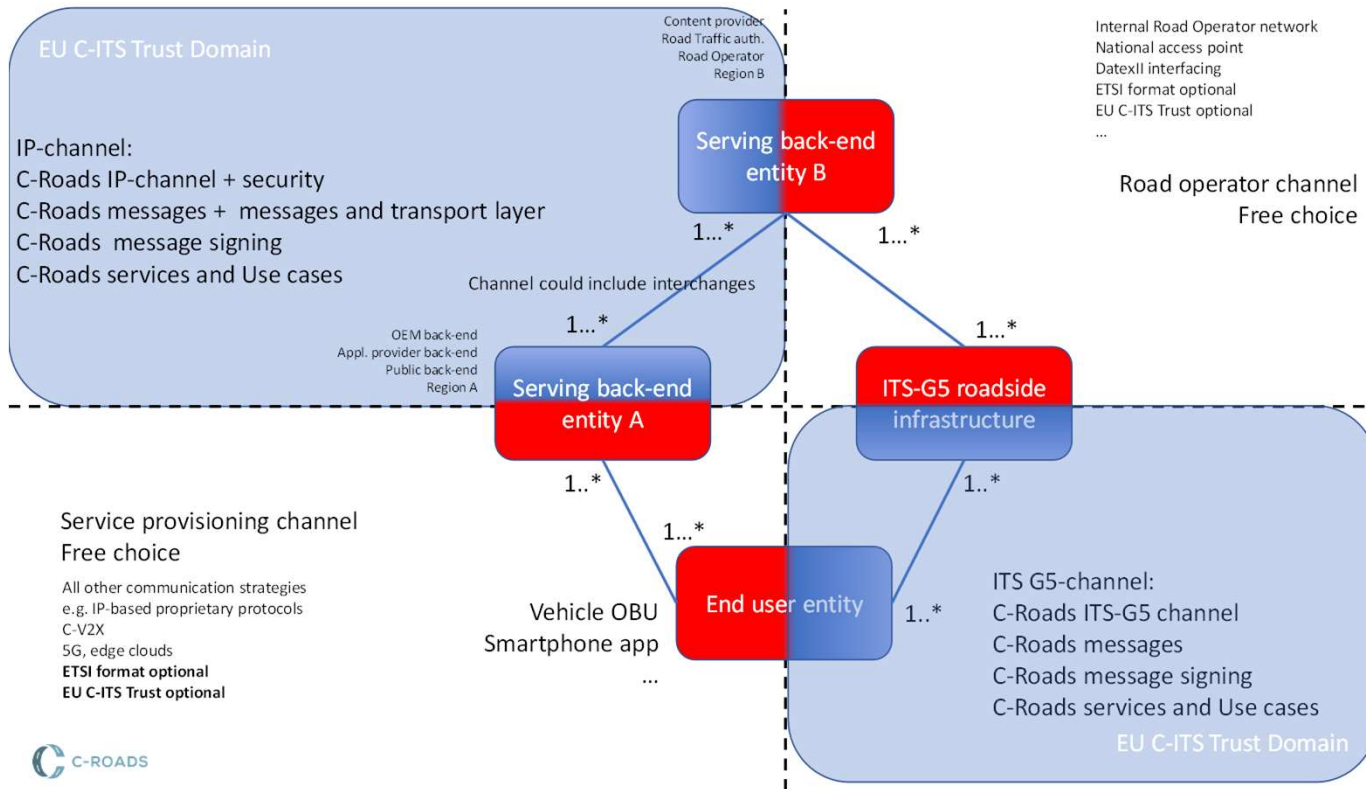


Long-range harmonisation

- Several different implementation models in european pilots
- Harmonisation possible on standards for back-end communication
- C-ITS IP Based Interface Profile – harmonised interface for cross-border information exchange



Overview of C-ITS communication



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Overview C-ITS compared to Nordic Way3

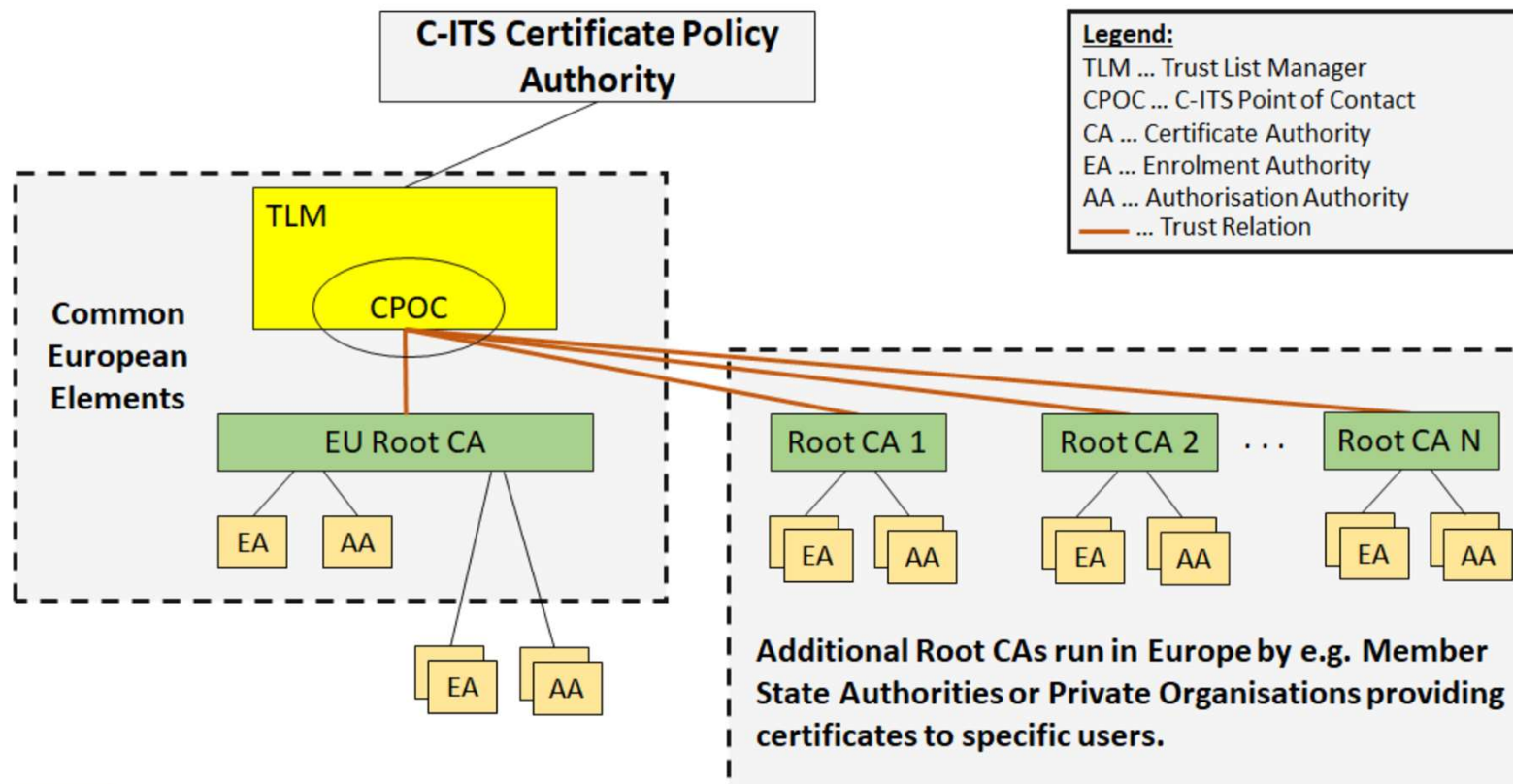


- Input from several pilots and member states in C-Roads
- BI interface mandatory for cross border communication, II optional
- ETSI message format (no Datex)
- Signing of messages mandatory (EU PKI)



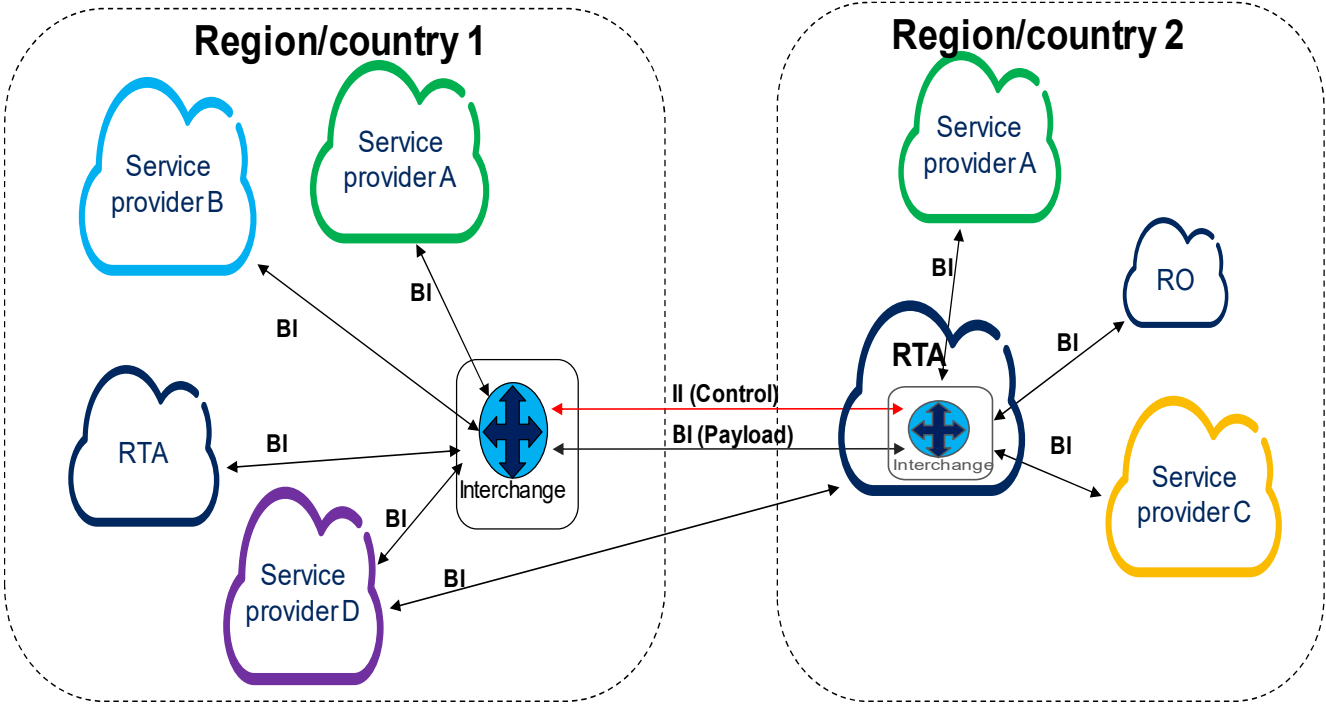
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EU PKI



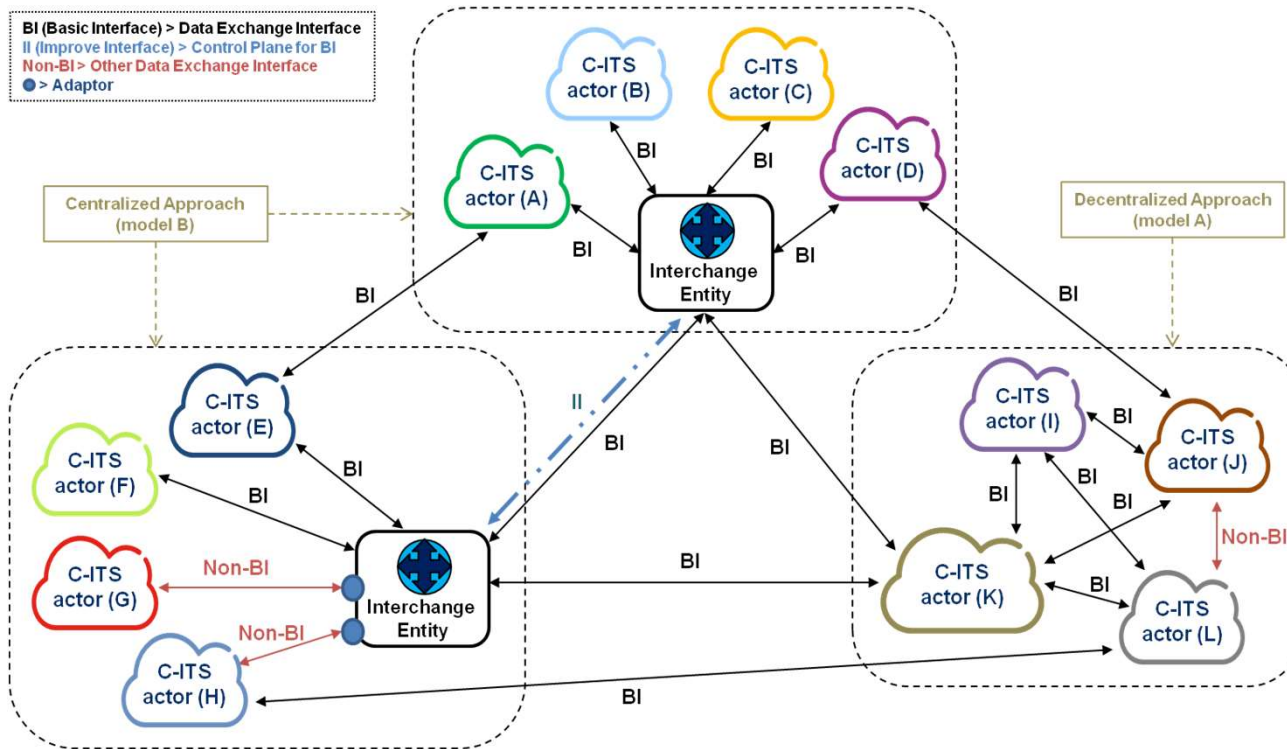
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Architecture for information sharing



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Deployment models



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