

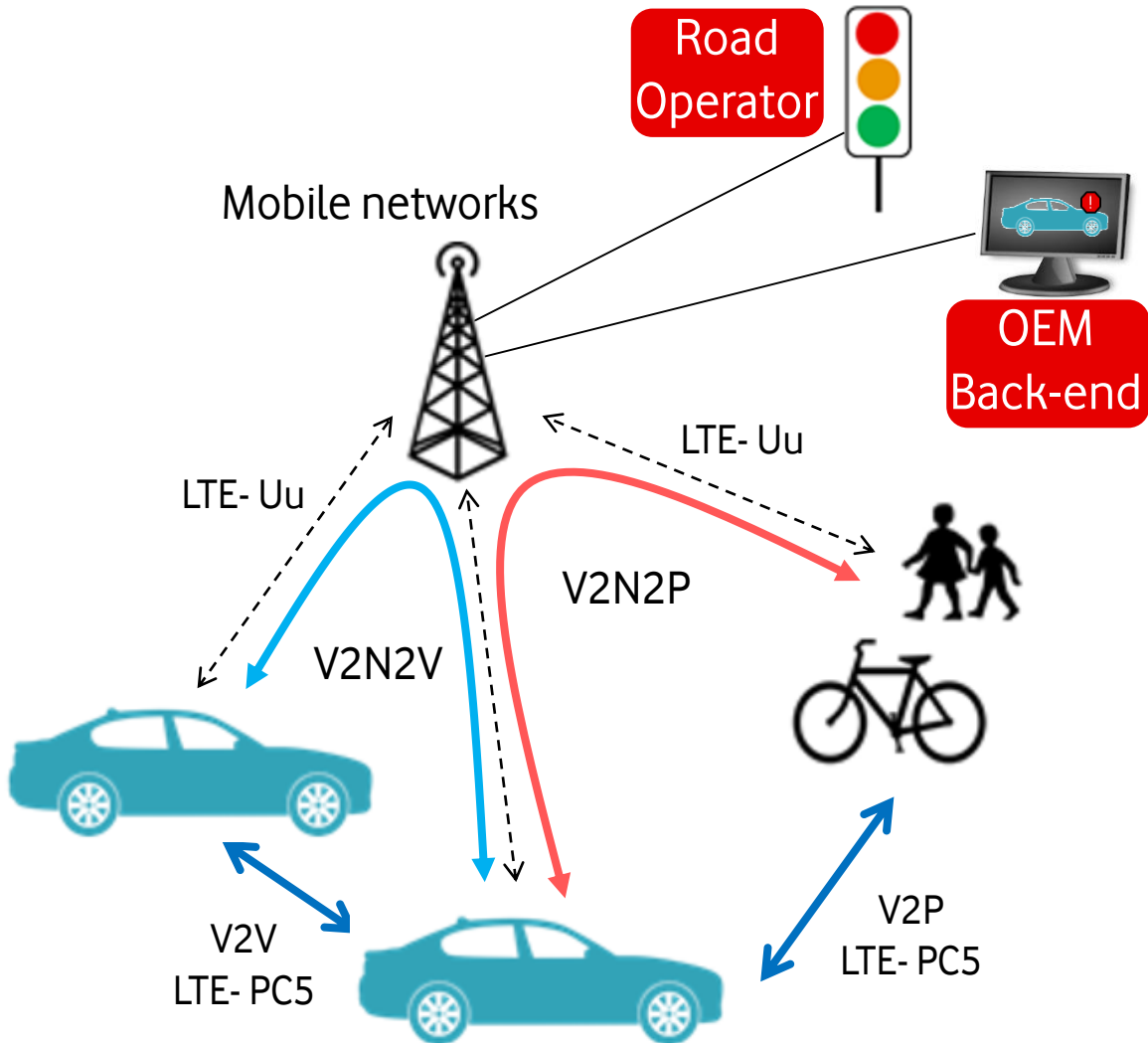
C-V2X Industry Perspective: Mobile

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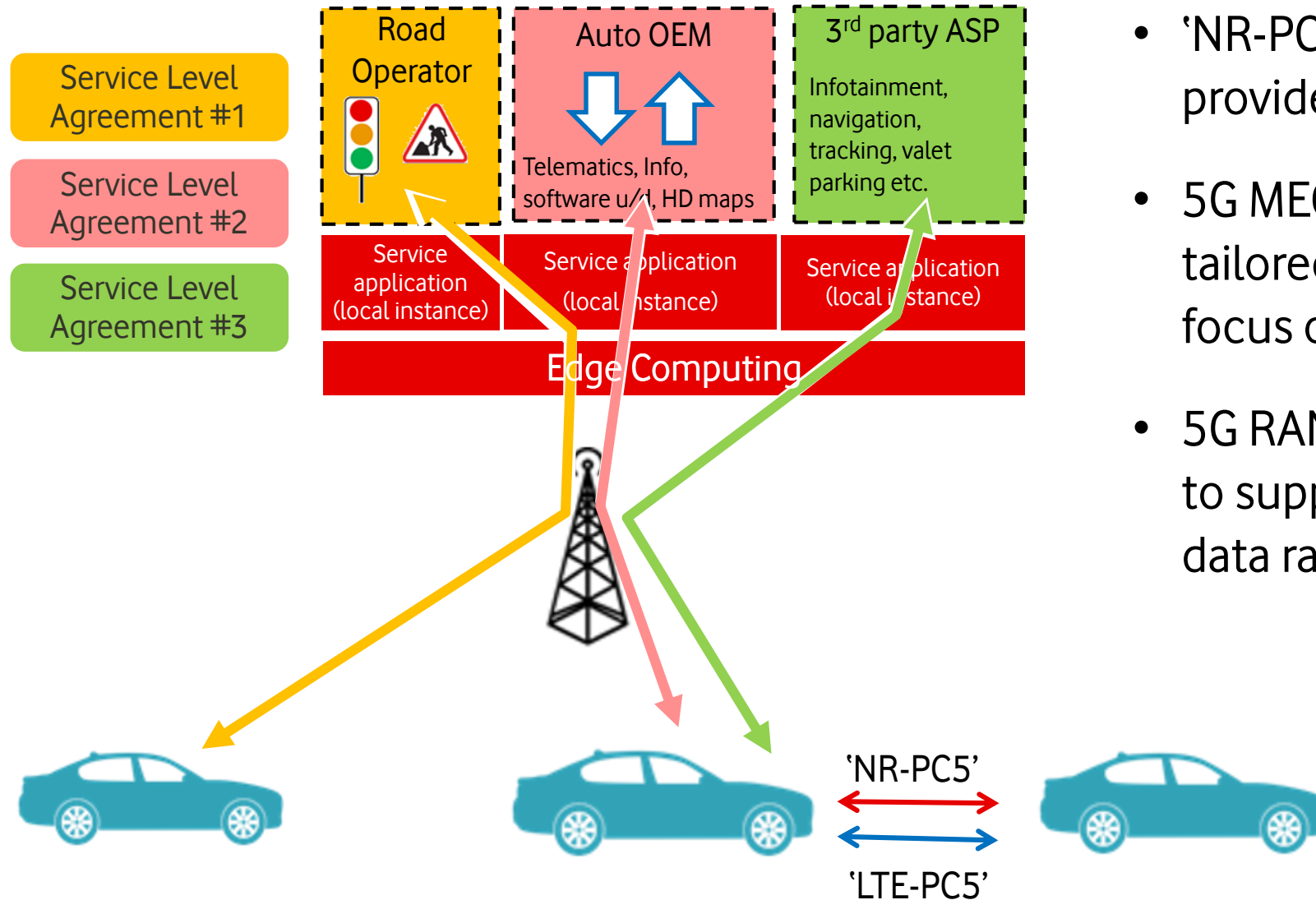
C-V2X : Safety & information services



- C-V2X leverages capabilities of both wide-area (LTE-Uu) and direct, short-range communications (LTE-PC5)
- PC5 and Uu will implement V2V/V2P services in a **complimentary** way:
 - **Early**, LTE-Uu supports informational services
 - **Later**, LTE-PC5 supports low-latency safety services, while LTE-Uu will extend service range and offer path redundancy
- LTE-Uu enables **quick to market, cost efficient V2I** services for Road Operators
 - Traffic & road status monitoring
 - Driver information
- **Collaborative relationship** enabled by 5GAA



Evolution to 5G enables additional services and vehicle autonomy



- 'NR-PC5' will not duplicate capabilities provided by LTE-PC5
- 5G MEC, cloud & network slicing enables tailored SLAs - Allows businesses to focus on their core accountabilities
- 5G RAN evolution enables new services to support vehicle autonomy – high data rate, low latency

