



5G Fireside Chat Series Introduction - What is 5G?

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Agenda

5G Introduction

Key concepts with sample use cases

5G High level architecture overview

5G Key technologies



What is 5G?

Key Concepts
Sample Use Cases



eMBB (enhanced Mobile Broadband)

Media Anywhere

Broadband Experience
Everywhere Anytime
Virtual & Augmented Reality



**Remote Surgery
& Examination**

**Smart Infrastructure
Smart City**



**Factory Automation
Industry 4.0**

Remote Device Control

**Smart Automated
Vehicle Control**

**Internet of Things (IoT)
M2M communications**

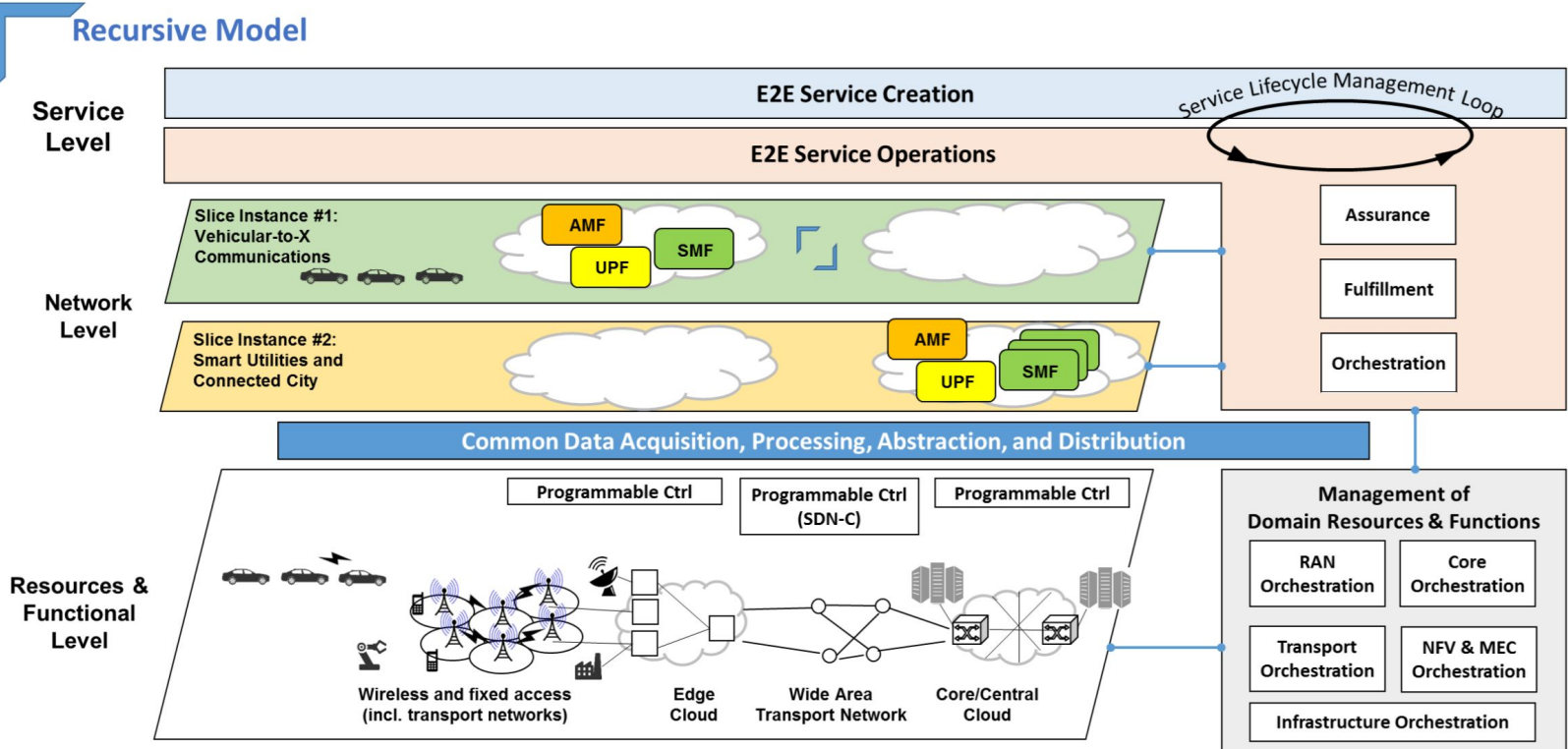


**URLLC (Ultra Reliable Low Latency
Communications)**



**mMTC (massive Machine Type
Communications)**

5G high level architecture overview



Source: [5GPP - 5G Architecture white paper, Feb 2020](#)

5G Key Technologies

5G Core Technologies	5G RAN Technologies	E2E Use Case Support
Network Slicing	5G New Radio (NR)	5G Monetization
Service Modeling Orchestration	Radio Access Network (RAN)	5G Automation
Edge Computing	Advanced Beamforming	5G Security
Multi-Access Edge Computing (MEC)	Spectrum Bands	5G & IoT
Software Defined Network (SDN)	Multiple-Input Multiple-Output (MIMO)	5G & Artificial Intelligence Analytics
Network Function Virtualization (NFV)		5G & Augmented Virtual Reality
Virtual Network Functions (VNFs)		5G Ecosystem Integration
Physical Network Function (PNF) Support		
Network & Service Assurance		

Watch out for our 5G fireside chat series for more info on below technologies



5G

Thank You

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