



5G's Programmable World

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BUILDING A BETTER CONNECTED WORLD

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Huawei Technologies Duesseldorf GmbH



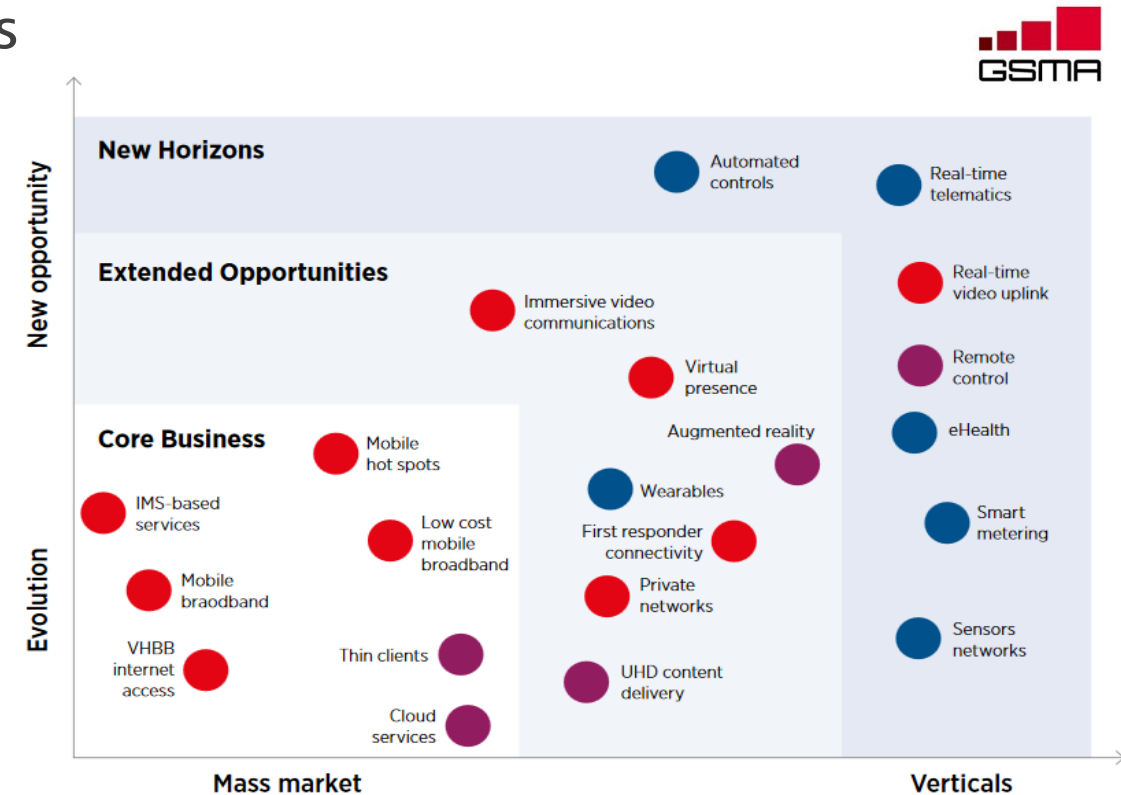
Network Programmability & Emerging Services

- Monolithic “one-fit-all” 4G architecture cannot fulfill
 - The requirements of 5G diverse APPs and services
- Support 3GPP 5G business requirements
 - Enhanced mobile broadband: High speed mobility, dense areas
 - Critical communications: Delay sensitive communications, safety, V2X
 - Massive IoT: Connecting many devices, industry 4.0
- Fixed-Mobile Convergence
 - Unified access / service flexibility services available from Fixed or Wireless
- Customized network as a Service
 - Emergency Communications (Regulation)
 - Mobile Backhaul/Fronthaul integration or leasing for indoor



Programmability & New Business Horizations

- Create a Network of Capabilities
 - Software defined control and separation of control/data plane
 - Softwarization - function virtualization
 - (De)compose/allocate VNFs and services
 - Value added services
 - IoT, RAN analytics, Edge CPU/Storage
 - Network and Service Convergence
 - Common functions/service, e.g. FMC
 - Network Slicing
 - Customized logical self-contained networks



Panelists

- Christele Bouchat, Standardization Strategy Executive - CTO
Office, Nokia, Belgium
- Kashif Mahmood, Research Scientist, Telenor Research in Telenor
Group, Norway
- Akihiro Nakao, Chair, 5GMF Network Architecture Committee,
Professor, the University of Tokyo, Japan
- Georgios Karagiannis, Principal Strategist in Standardization and
Industry Development, Huawei Technologies Dusseldorf Germany.
- Barbara Stark, Lead Member of Technical Staff, AT&T, USA.

THANK YOU

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