



5G NETWORK SLICING - WHY CROSS INDUSTRY COLLABORATION IS ESSENTIAL

Antje Williams, Deutsche Telekom

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LIFE IS FOR SHARING.

5G – THE VISION

PRESS EVENT @MWC 2014



Led by DT, the 5G Initiative was launched by NGMN (22 leading operators) with the target to deliver Operator-driven and customer-focused requirements

PRESS EVENT @MWC 2015



The NGMN 5G Whitepaper was delivered and published



5G INDUSTRY CONFERENCE



The 5G whitepaper has been extensively discussed at an industry conference involving all key eco-system players (vendors, operators, research, verticals, ..)

FROM GROUPS OF USE CASE TO THE TRIANGLE

2015 / 16

Broadband access everywhere

50+ MBPS EVERYWHERE



Broadband access in dense areas

PERVASIVE VIDEO



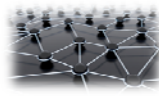
Higher user mobility

HIGH SPEED TRAIN



Massive Internet of Things

SENSOR NETWORKS



Extreme real-time communications

TACTILE INTERNET



Lifeline communications

NATURAL DISASTER



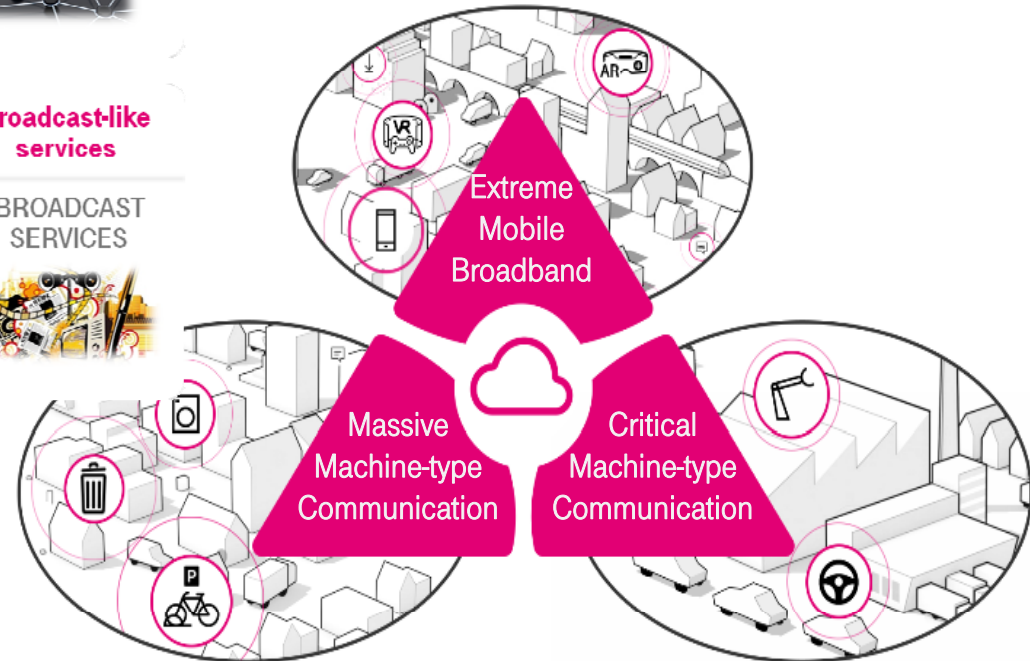
Ultra-reliable communications

E-HEALTH SERVICES



Broadcast-like services

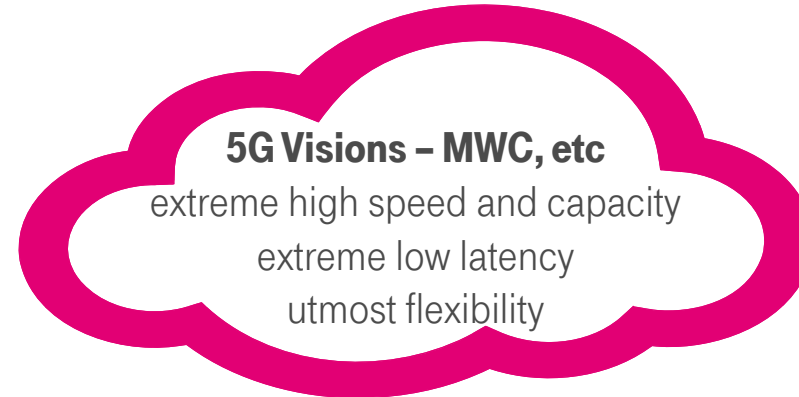
BROADCAST SERVICES



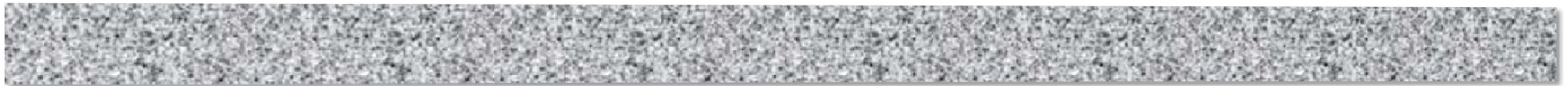
TODAY'S DILEMMA: MASSIVE 5G HYPE VS. REALITY

WE NEED REVOLUTION BUT SEEM TO BECOME AN EVOLUTION

2017



REVOLUTION!



What we seem to get: 4G evolution++
current 5G standardization 3GPP Rel.15:
cellular NW centric
5G „new CN“ = EPC' + CUPS

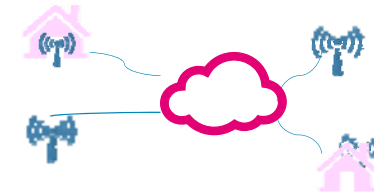
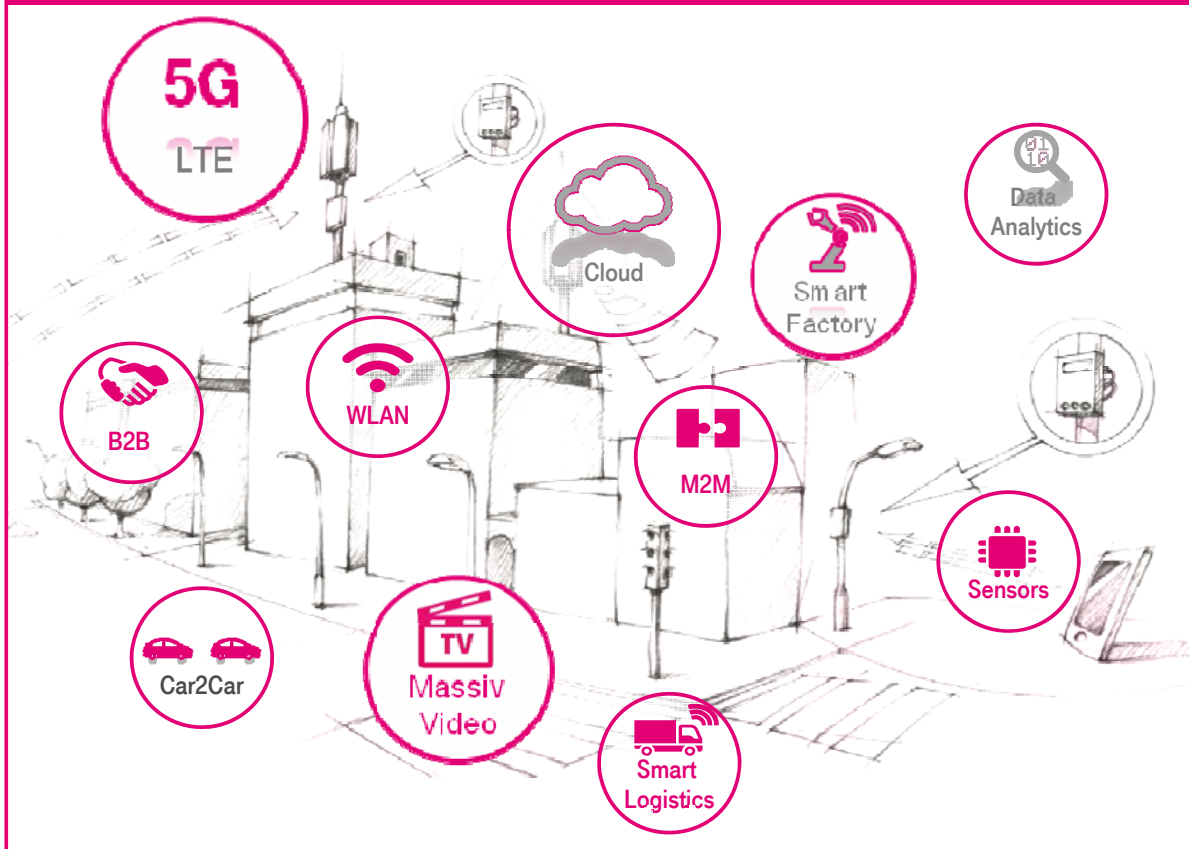


EVOLUTION

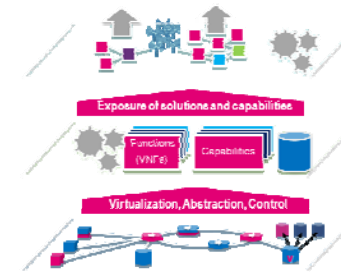
WHAT DO WE NEED @ TOMORROW'S FULLY CONNE

2017

Totally heterogeneous demands



Networks in the cloud

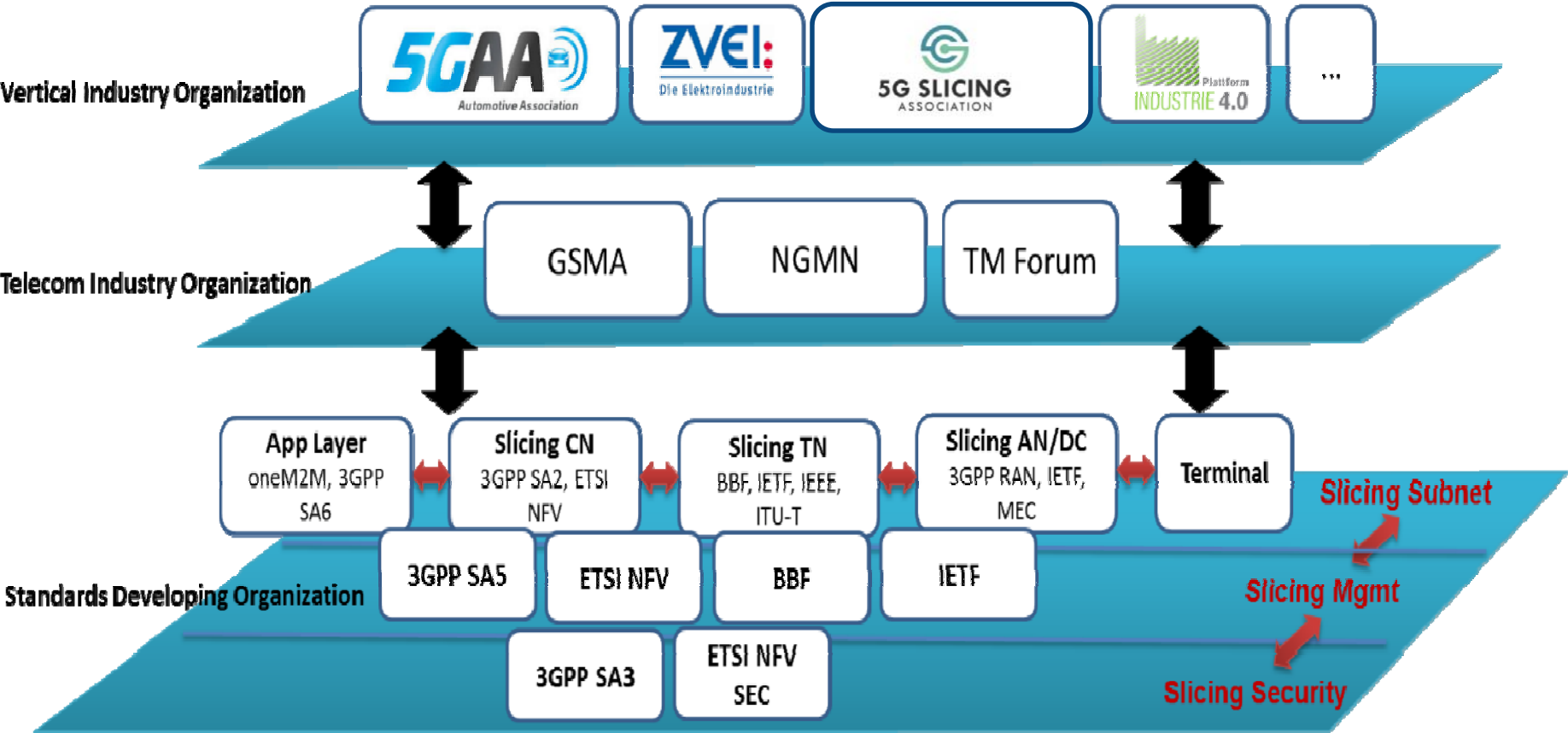


Network slicing



Ultra dense networks

NETWORK SLICING RELEVANT INDUSTRY GROUPS AND SDOS LANDSCAPE



Source: Huawei

SLICING ASSOCIATION

Mission

Define network slices that can provide value to various industry and society

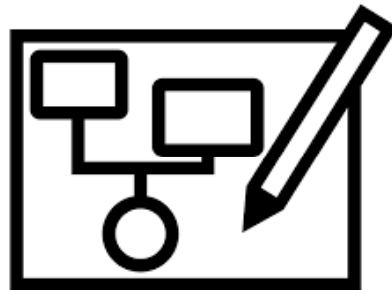


STATUS APRIL 2018

MoU Slicing
Association



Terminology of
Slicing



Cross-Industry
Positionpaper



5G SLICING ASSOCIATION MEMBERS

