

5G Networks of Future

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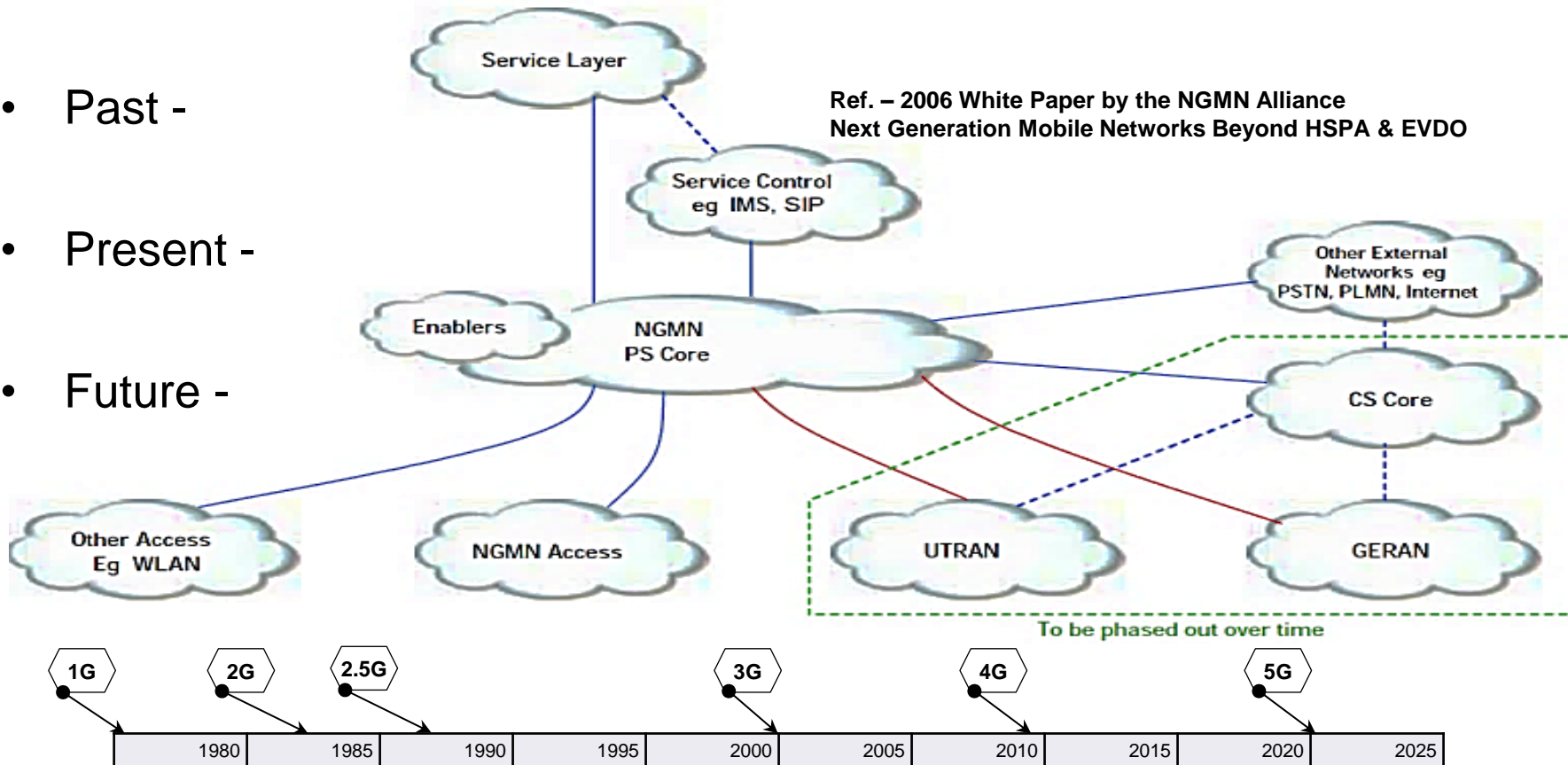
Technical Architect – Communications

26th Feb. 2015

Evolution or Revolution

- Past -
- Present -
- Future -

Ref. – 2006 White Paper by the NGMN Alliance
Next Generation Mobile Networks Beyond HSPA & EVDO



Business for all

- Market vs Technology
- Stakeholders
- Technology

Ericsson pushes consistency in new 5G technology



Ericsson is planning to showcase new technology related to the quality of future 5G networks at next week's Mobile Congress.

NEC, NetCracker to develop SDN/NFV solutions under new brand



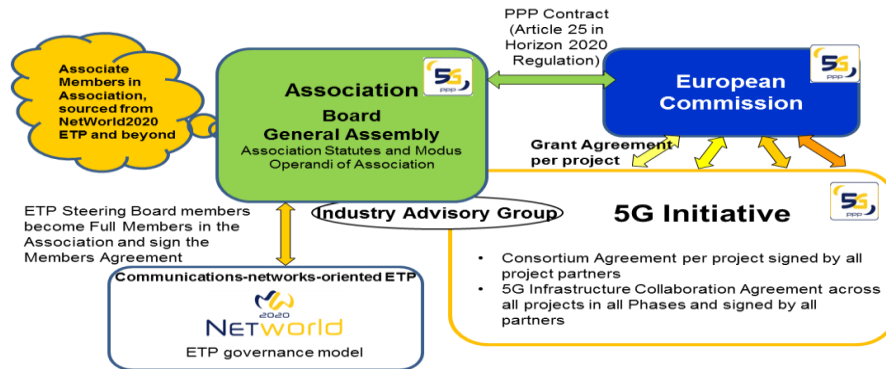
NEC and NetCracker will co-develop a SDN and NFV solution after launching an initiative to help service providers explore the opportunities presented by the technologies.

Business for all

- Market vs Technology



- Stakeholders



- Technology

<http://networld2020.eu/relationship-to-5g-ppp/>

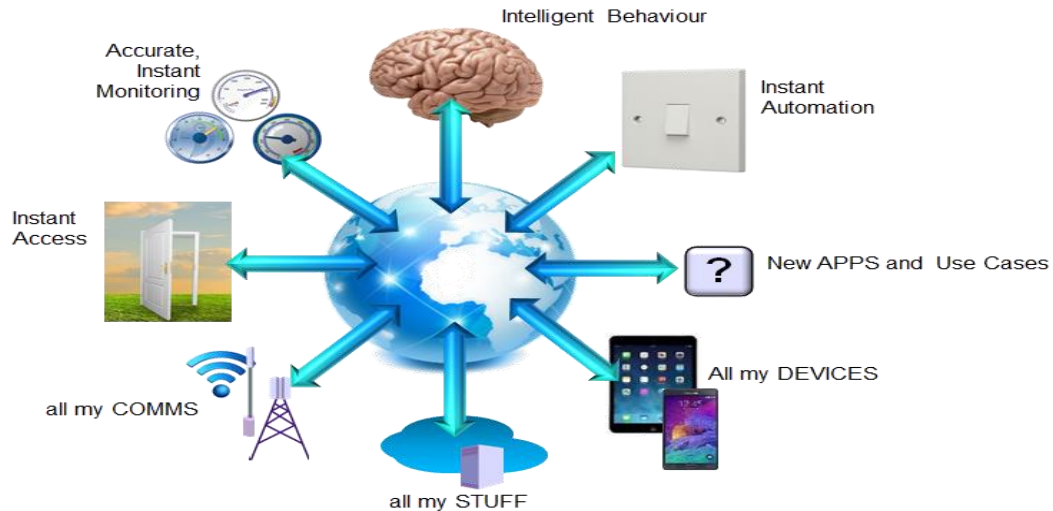
Business for all

- Market vs Technology

... the perception of infinite bandwidth,
instant response & content delivery

What can 5G do for me?

- Stakeholders



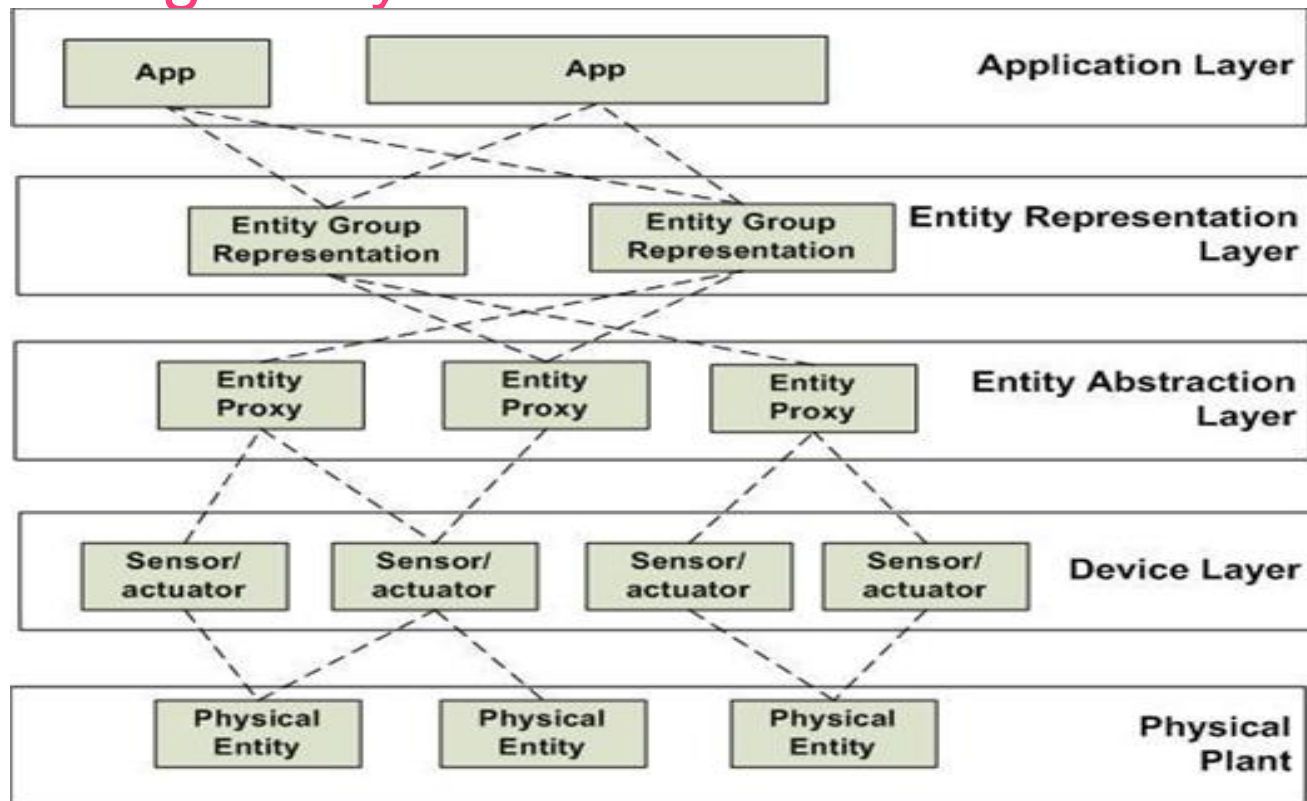
- Technology

Ref. Innovation Gateway WA1, University of Surrey



Architecture among many towards IoT

- Applications
- Networks
- Devices



Ref. oneM2M, ETSI

Digital Catapult

- Applied Research
 - 5GIC, test bed
 - 5G SME Engagement
 - Partners



5G INNOVATION CENTRE

5G will intelligently understand the demands of users in real time, dynamically allocating network resources depending on whether the connected device needed voice or data connectivity.



Professor Rahim Tafazoli
Director of 5GIC and Institute of Communication Systems

What is the Catapult Doing?

DIGITAL CATAPULT
DATA CATALYSER



Greater Manchester
Data Synchronisation
Programme

DIGITAL CATAPULT
ENVIRONMENTAL
DATA EXCHANGE

Some of Our Partners/Supporters



Our focus is on the Data Value Chain



Copyright Hub - Overview



The Copyright Hub is an industry forum and technology platform providing services to enable digital rights exchange, connecting users to rights owners and reducing licensing friction. Aims:

- Reducing licensing barriers & opening up new markets whilst not interfering with existing business models
- Automating low value / high volume transactions - promoting digital content use & greater creator control
- A cross-border, creative industry-funded, voluntary & non-exclusive forum and platform built on open source technology
- Open internet-focused and built on open source technologies
- Culture, language and licensing regime agnostic – adaptable to specific needs whilst remaining interoperable
- Business model / payment mechanism agnostic – will interface with whatever model and services the rights owner uses
- Licence-type agnostic – determined by the rights owner, not the Hub

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Thank you

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