



# **AGM 2019**

**NICC Standards Limited**

**PROPOSED STRATEGY**

# Mission, Vision, Strategy

**NICC Standards Limited** is a technical forum for the UK communications sector that develops interoperability standards for public communications networks and services in the UK

We are an independent organisation owned and run by its members, taking global standard solutions and ensuring they are fit for purpose in the UK communications networks

NICC operates dedicated task groups focused on specific work packages as deemed necessary by the UK communications networks to ensure seamless, E2E service, interoperable and secure connectivity



# We are entering an Intelligent World



## All Things Sensing

Sensing the physical world, mapping it to digital signals

Temperature, space, and touch  
Sense of smell, hearing, and vision



## All Things Connected

Data goes online to power machine intelligence

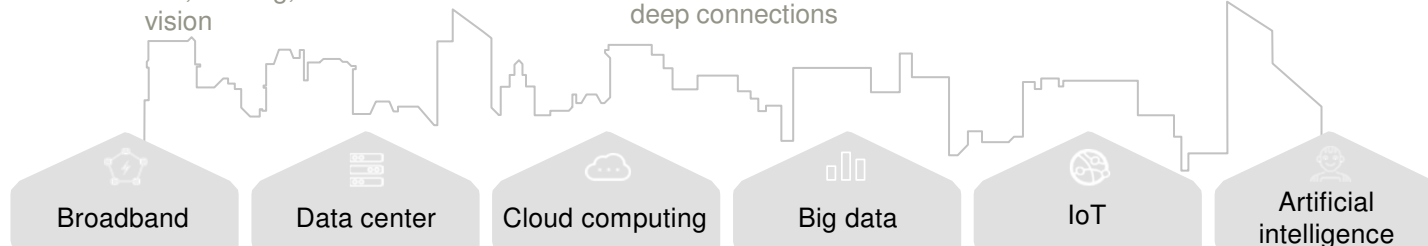
Ubiquitous connection, wide connections, multiple connections, and deep connections



## All Things Intelligent

Big data and AI power new applications

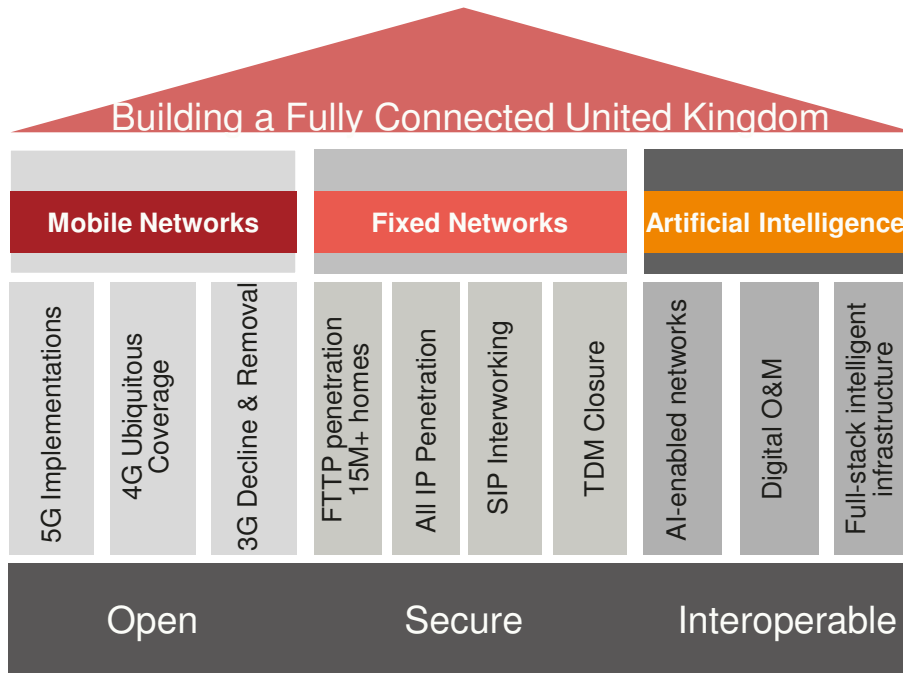
Digital twin  
Digital survival



ICT infrastructure will be the foundation of the intelligent world

# The Challenges – drive towards 2025

New services, technology and players, including artificial intelligence



**Mobile**  
5G Networks are starting to deploy at pace and scale, 4G networks being driven towards 100% UK Coverage

**Fixed**  
Gigabit networks are being built to replace the old legacy copper networks. Communication moving to All-IP

**AI**  
Full-stack all-scenario AI, self-driving networks, and intelligent operations: Leaps in network energy efficiency, resource utilization, O&M, and experience

**INCREASINGLY, SECURITY MATTERS**

# Themes, Challenges & Evolution of NICC

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**To make a vital contribution to the effectiveness and vigour of the Telecommunications sector in the UK and its ability to deliver fully interoperable services – to the benefit of people, business, other organisations and society at large.**

Current issues – e.g. PSTN migration; FTTP/H

Today's concerns – Security; Authentication; Privacy

Day to day challenges - Resources; Expertise; Membership

Future developments/watching brief – e.g. IoT; 5G; Non-Real Time Comms

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# Strategy Proposal

## NICC Core Values

### Stay Focussed

NICC to be a standards developer rather than a standards user

### Inspire dedication

Produce papers/reports from the proposed New Strategy Task Group and existing Task Groups for DCMS, Ofcom, Cabinet Office, NCSC etc

### Persevere

NICC Documents (NDs) to have a 'translation' document to enable the right people to be involved – like an implementation guide

### Grow by reflection

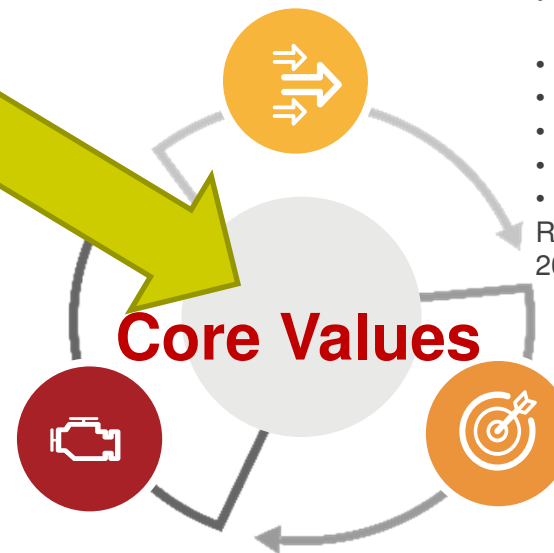
We must get the message to the right people in member organisations – regularly review the TSG and CA lists

## New Strategy Task Group

Membership:

- Existing NICC members; new technology members
- Include ITSPA, ISPA, FCS, others
- Ofcom, DCMS, NCSC
- Academic members, i.e. Universities
- IET Comms Panel members
- Quarterly/six monthly meetings

Review the work of the ITU Network 2030 Group



## Encourage New Memberships

- Infrastructure organisations
- Google, Amazon, Facebook etc
- IP CP's and vendors
- Smart Home, Smart City etc

## Existing Task Groups

- Strengthen links and draw expertise from existing organisations and associations e.g. ITSPA, ISPA, FCS etc.
- Invite non-member expertise to attend meetings as required
- Strengthen the expertise in number portability & authentication