

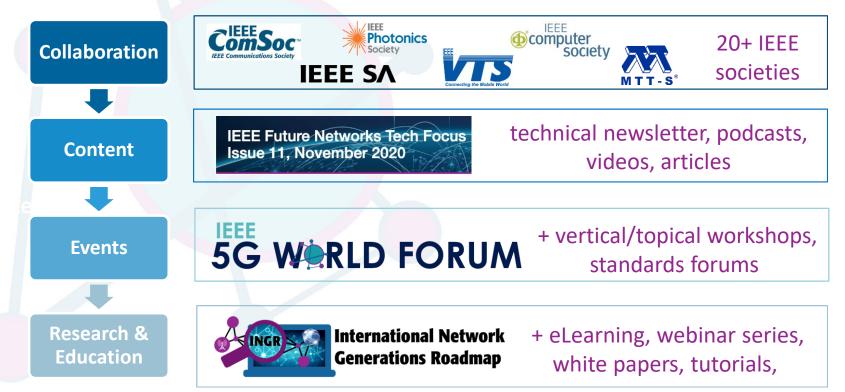
FNIC: Future Networks Industry Consortium

Testing 5G and 6G Networks



IEEE Future Networks Initiative









The Future Networks Industry Consortium



The IEEE Future Networks Industry Consortium (FNIC) will bring together industry participants across the broad range of 5G/6G technologies to enable win-win collaboration opportunities and contribute to the roadmap for future technological direction.





Value to FNIC Members

The FNIC will leverage the global trust and expertise of IEEE and a unique platform of services that offer direct, tangible value to members and allows for reduced-cost innovation through collaborative projects.













The FNIC 5G and Beyond Testbed

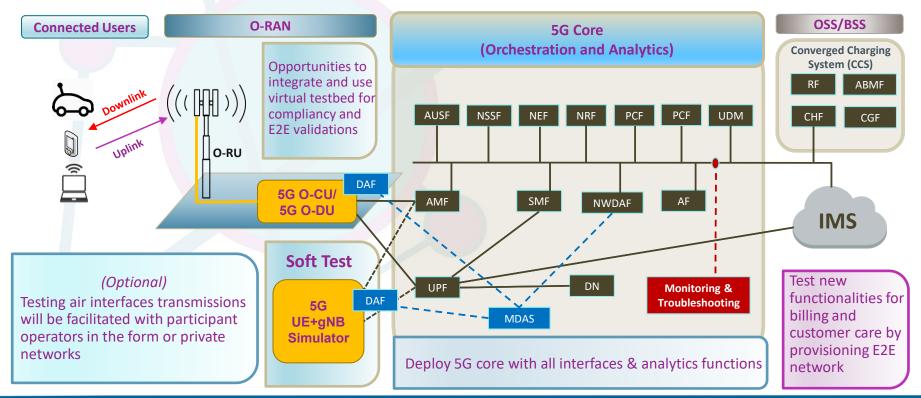
The core component of the FNIC is a collaborative effort between IEEE and industry partners to build a virtual/hybrid end-toend network testing and innovation platform.







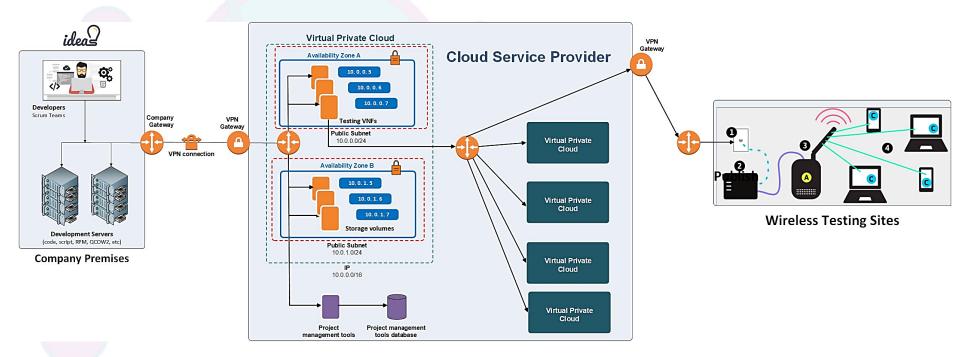
Platform Scope







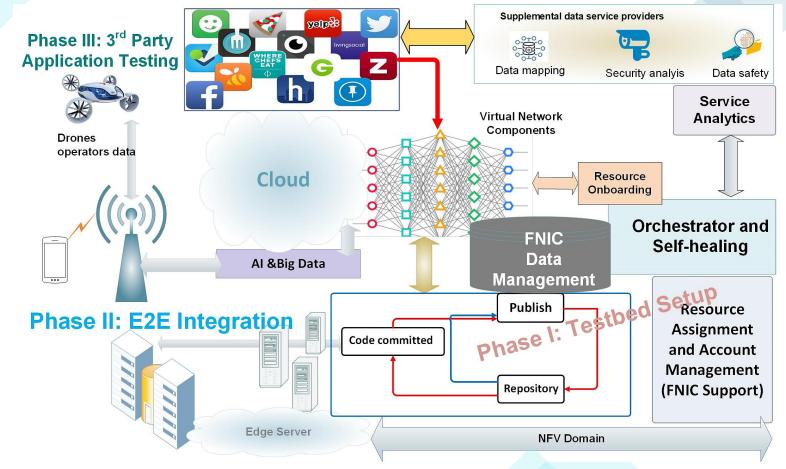
Process Flow







Architecture and Components



FNIC Testbed Unique Value

- Covers the network end-to-end, in a virtual CI/CD platform
- Collaborative testing and experimentation with other global FNIC member companies
- Flexible:
 - Standard or non-standard
 - Private and shared components
 - Able to connect to physical hardware
- Scalable computational resources are available to testbed participants
- Opens the door for close collaborations to define new products and standards
- Governed by IEEE Industry Standards and Technology Organization (ISTO) privacy and IP policies





A technical document highlighting network technology evolutions over 3-, 5- and 10-year horizons. Created by 100+ international experts from industry, academia, etc.

IEEE

International Network Generations Roadmap (INGR)

An IEEE 5G and Beyond Technology Roadmap

Executive Summary 1st Edition

FutureNetworks.ieee.org/roadmap







Develop working groups and speak at major 5G & 6G events

Enabling 5G and Beyond | futurenetworks.ieee.org

Industry Expert Speaker Program with technical experts who provide specialized training to participant companies









FNIC Participation Model

- FNIC participation is open to any vendor, operator, or organization specialized in mobile communications and the future network ecosystem
- IEEE will provide primary financial support for the development and maintenance of the 5G and Beyond Testbed for the first two years
 - Year 1: complimentary
 - Year 2: no more than \$25,000, scaled for company size
 - Year 3+: Tiered fees to be introduced, likely capped at \$50k







Future Networks Industry Consortium Questions / Feedback



Join Us for Free Complimentary Year by Sending us a Letter of Intent



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Future Networks Industry Consortium

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