Building a 5G World

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Test Certify Connect
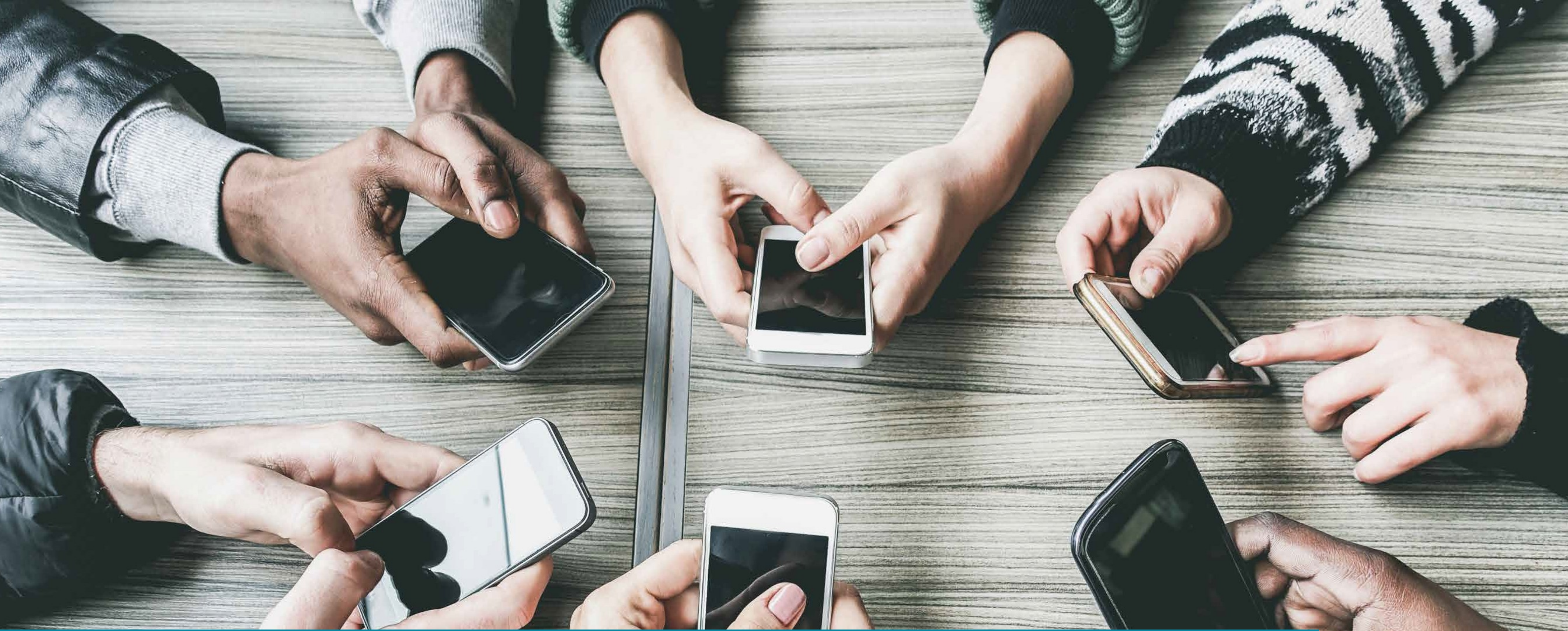
Introduction to GCF
20 years of service to the mobile industry

GCF
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What is GCF

Founded in 1999, the Global Certification Forum (GCF) is the globally-recognised quality mark for the interoperability of devices that incorporate mobile connectivity, with 332 members world-wide.

133 operator members + 133 manufacturer members

GCF certification is based on test cases defined by organisations:
- 3GPP
- GSMA
- OMA SpecWorks
- NFC Forum
- CTIA
- oneM2M.

GCF operator members

Operator Members   Subsidiaries of Operator Members   Associate Operator Members
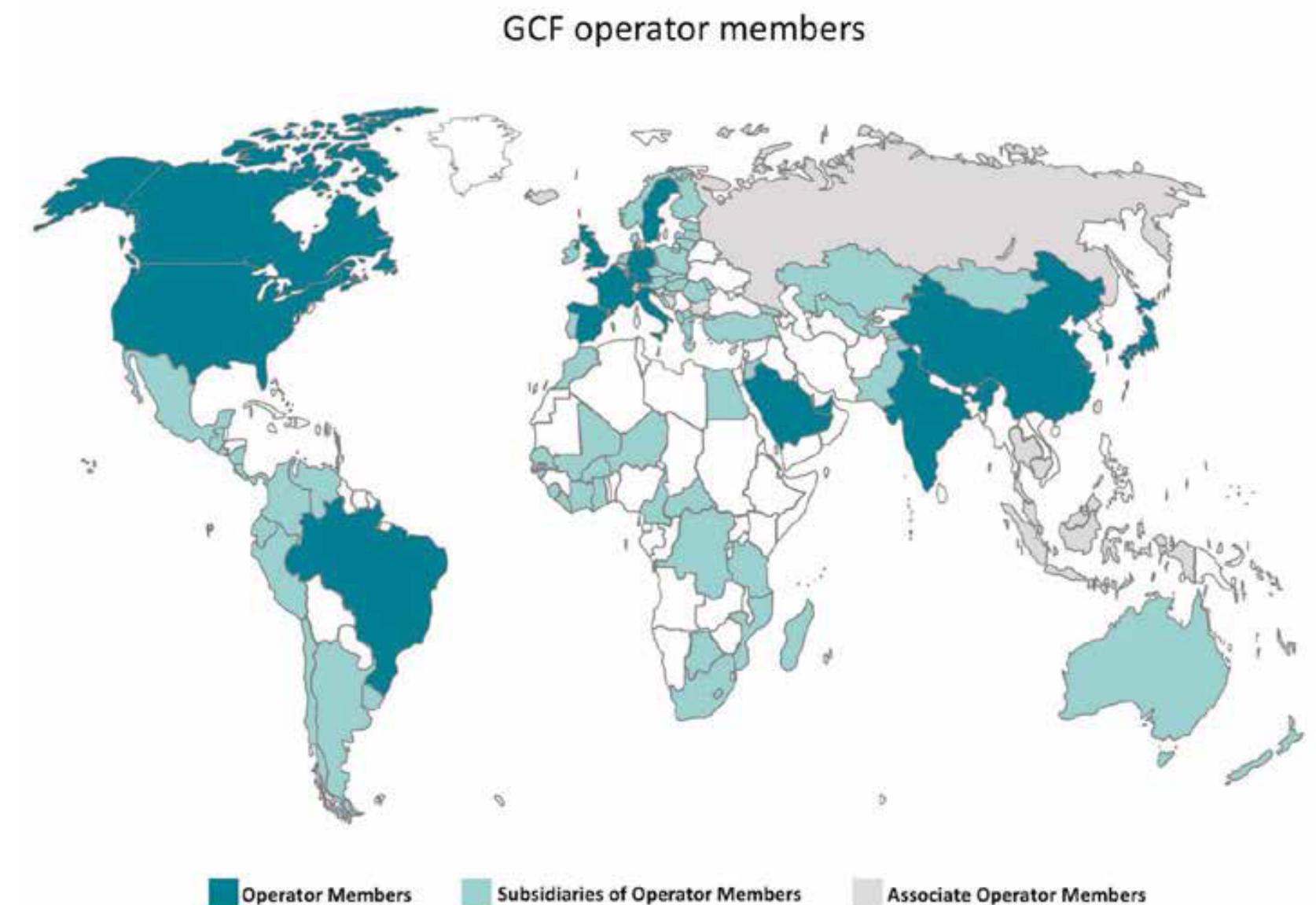
Interoperability and high-quality service

- Operators' capacities (bandwidth and resources) are limited and a myriad of innovative devices and applications are appearing
- Applications and devices rely on well-functioning networks to perform correctly and offer good QoS
- Manufacturers & operators have mutual interests in that devices and applications should follow standards and have no interoperability issues

GCF is the industry's solution to address interoperability, it is agile and in sync with the development of the 3GPP standard and industry's requirements

GCF priorities

- Enhancing coverage of 5G certification

- Increase offering for the IoT markets

  - IoT solution promoting usage of certified modules

  - oneM2M certification

  - IoT chipset certification

  - IoT security

- Critical communication certification (with TCCA)

- Connected vehicle certification (with 5GAA)

- Connected industry
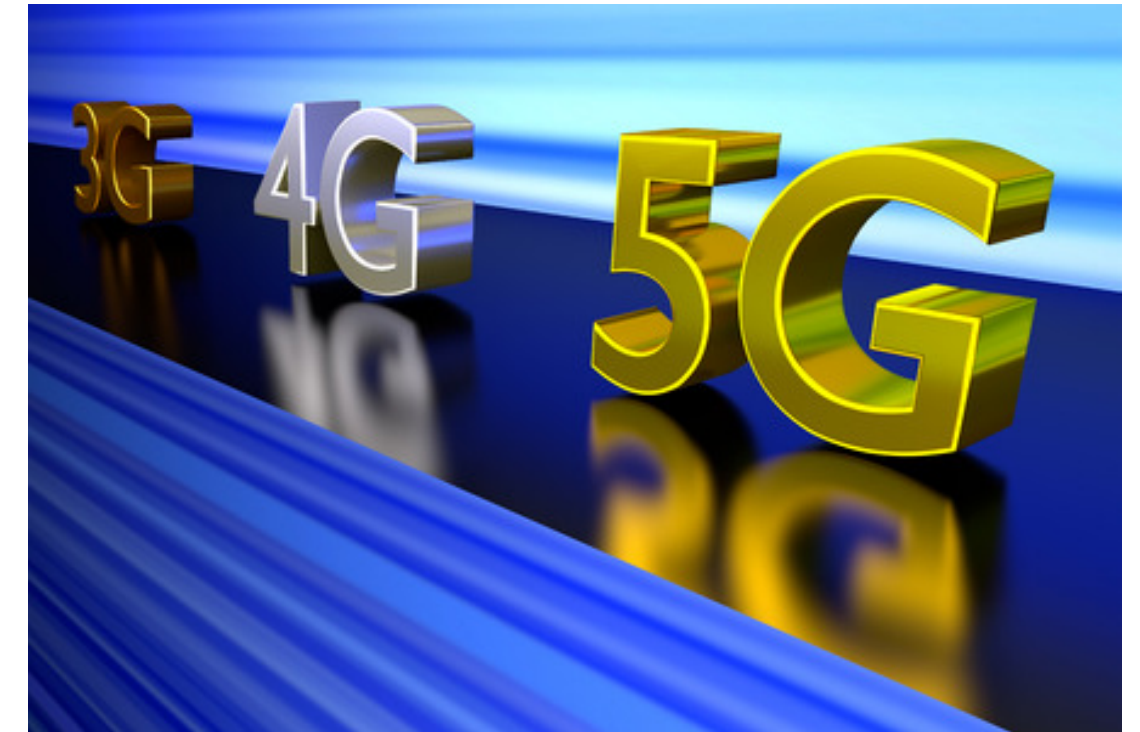
Investment in the future

- 5G and vertical industries increase the complexity of work items for certification
- GCF is investing significantly in
  - Quality management
  - Development of the work item/test case database (DCC) to address future requirements
  - Supporting new vertical product certification
  - Making certification submission easier and more robust
  - Simplifying the GCF website

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Co-operation and partners

- Key to success is engagement of the right experts and sharing knowledge
  - GCF has 3,500 users from member companies
- GCF is reaching out to industry organisations to involve them in the work
  - TCCA, 5GAA, 5G ACIA, TSDSI/C-DoT
- Government agencies can access the GCF portal by entering an agreement with GCF

Thank you very much for your attention

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