

Trusted Connectivity Alliance

The Value of Membership

Our Membership



Founding:



Executive:



Full:



Ordinary:



About Trusted Connectivity Alliance



Trusted Connectivity Alliance is a global, non-profit industry association working to enable trust in a connected future.



Our vision is to **drive the sustained growth of a connected society** through trusted connectivity which protects assets, end user privacy and networks.



Our members are leaders within the global **Tamper Resistant Element (TRE) ecosystem**.

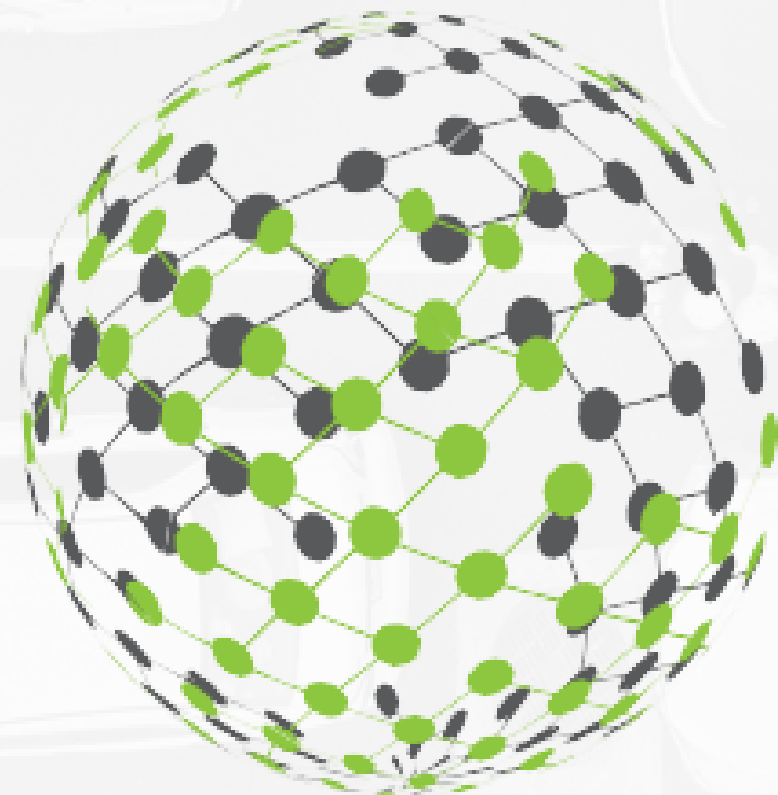


A **TRE** is a standalone secure element or secure enclave, consisting of hardware and low-level software providing resistance against logical and physical attacks, capable of hosting secure applications and their confidential and cryptographic data, and are available in removeable, embedded and more recently, integrated form factors (e.g. **SIM, eSIM and integrated SIM**).

Why Trusted Connectivity Alliance?

We work together to:

- Advance and advocate the trust and security credentials of TREs.
- Standardise and enhance the TRE ecosystem to support the evolution of cellular connectivity (e.g. 5G and IoT).
- Promote innovation and growth opportunities TRE offers across markets.



In 2021, we are focused on the following strategic initiatives:

- Ensuring eSIM interoperability and expanding benefits to more IoT use-cases.
- Leveraging SIM technology for IoT security, including continued collaboration with GSMA on IoT SAFE.
- Evolving and optimising 5G SIM technology to enhance 5G network services.
- Highlighting the importance of subscriber privacy in 5G.
- Promoting consistency across integrated SIM technologies.
- Enhancing the TRE market monitoring process to deliver industry-leading insight.

Working Group Benefits

Initiatives undertaken within our working groups facilitate and accelerate the delivery of trusted mobile connectivity worldwide.

Trusted Connectivity Alliance working groups:



— **Collectively define requirements** and provide deliverables of a strategic, technical and marketing nature, that enable all stakeholders in our connected society to benefit from the most stringent secure connectivity solutions that leverage our members' expertise in tamper proof end-to-end security.



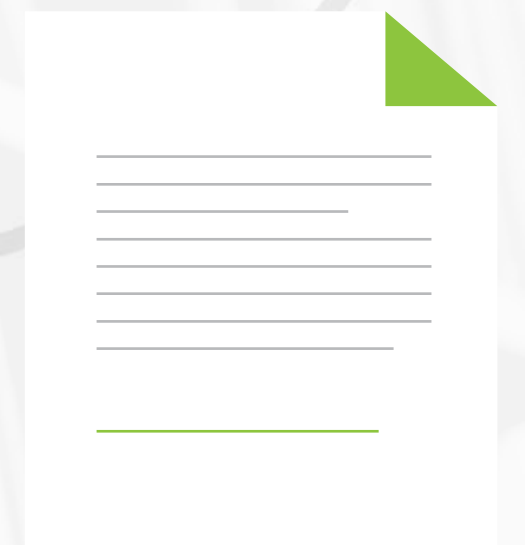
— **Educate** stakeholders on the benefits of TRE form factors to drive the sustained growth of trusted connectivity across industries where security is paramount.



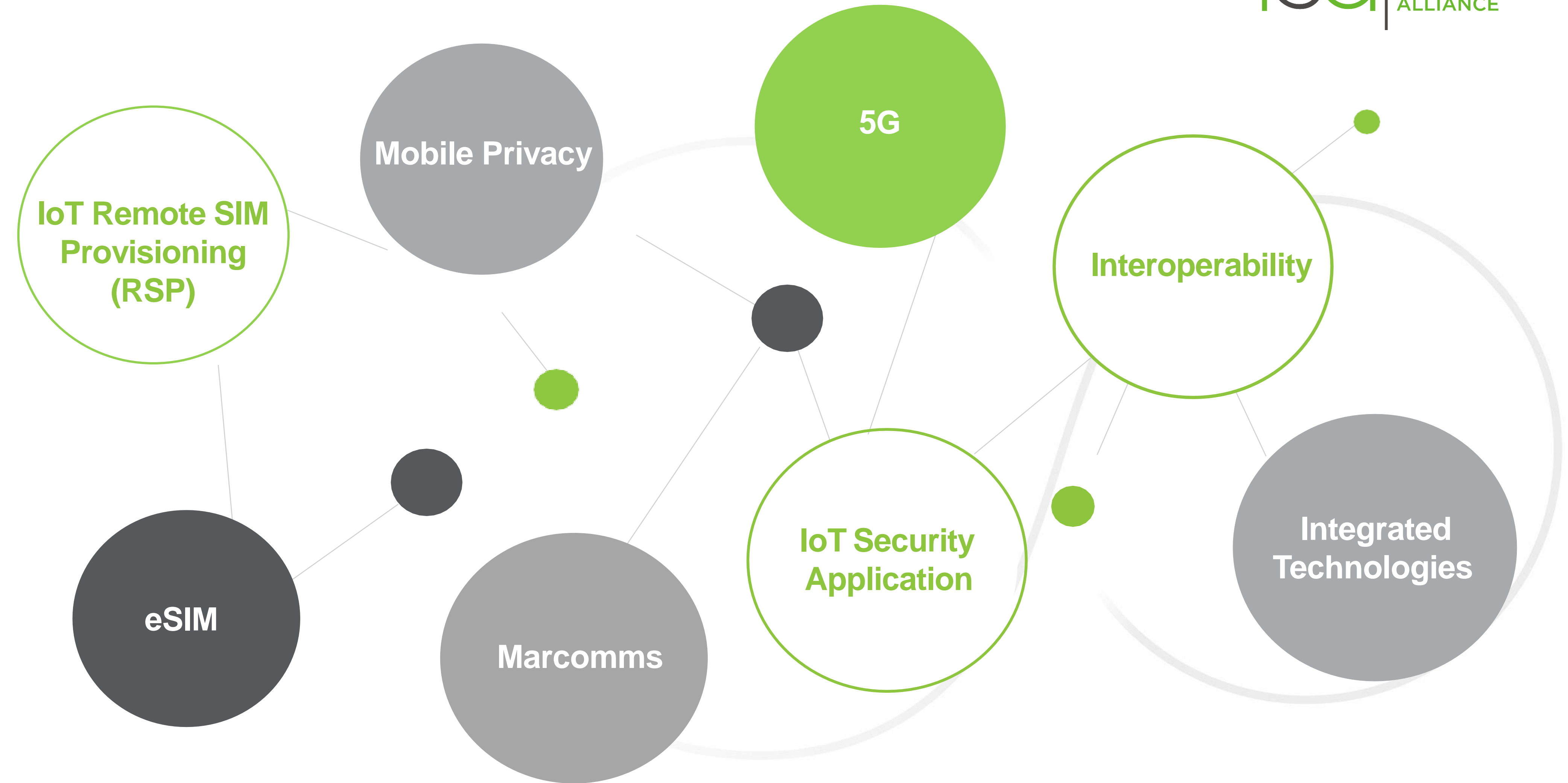
— **Collaborate** with industry stakeholders to ensure that new use cases and business models can be simply and securely supported.



— **Clarify and recommend** existing technical standards relevant to the implementation of strong device security.



Current Working Groups



Key Working Group Achievements



IoT SAFE (GSMA collaboration)

Specifies a common API and defines a standardised way for the SIM to be leveraged to securely perform mutual authentication between IoT devices applications and the cloud

eUICC Profile Package Technical and Test Specification (GSMA collaboration)

Enables mobile network operators to load standardised, interoperable connectivity profiles in an eSIM, regardless of the SIM vendor.

5G Security and Privacy

Evolved and optimised 5G SIM technology to enhance 5G network services.
Highlighted the importance of subscriber privacy in 5G.

Standardisation support

Including 5G for 3GPP, SSP for ETSI and eSIM for IoT for GSMA

Open Mobile API (GlobalPlatform collaboration)

Established the first API for Android apps to communicate with the SIM or Secure Element and execute security services

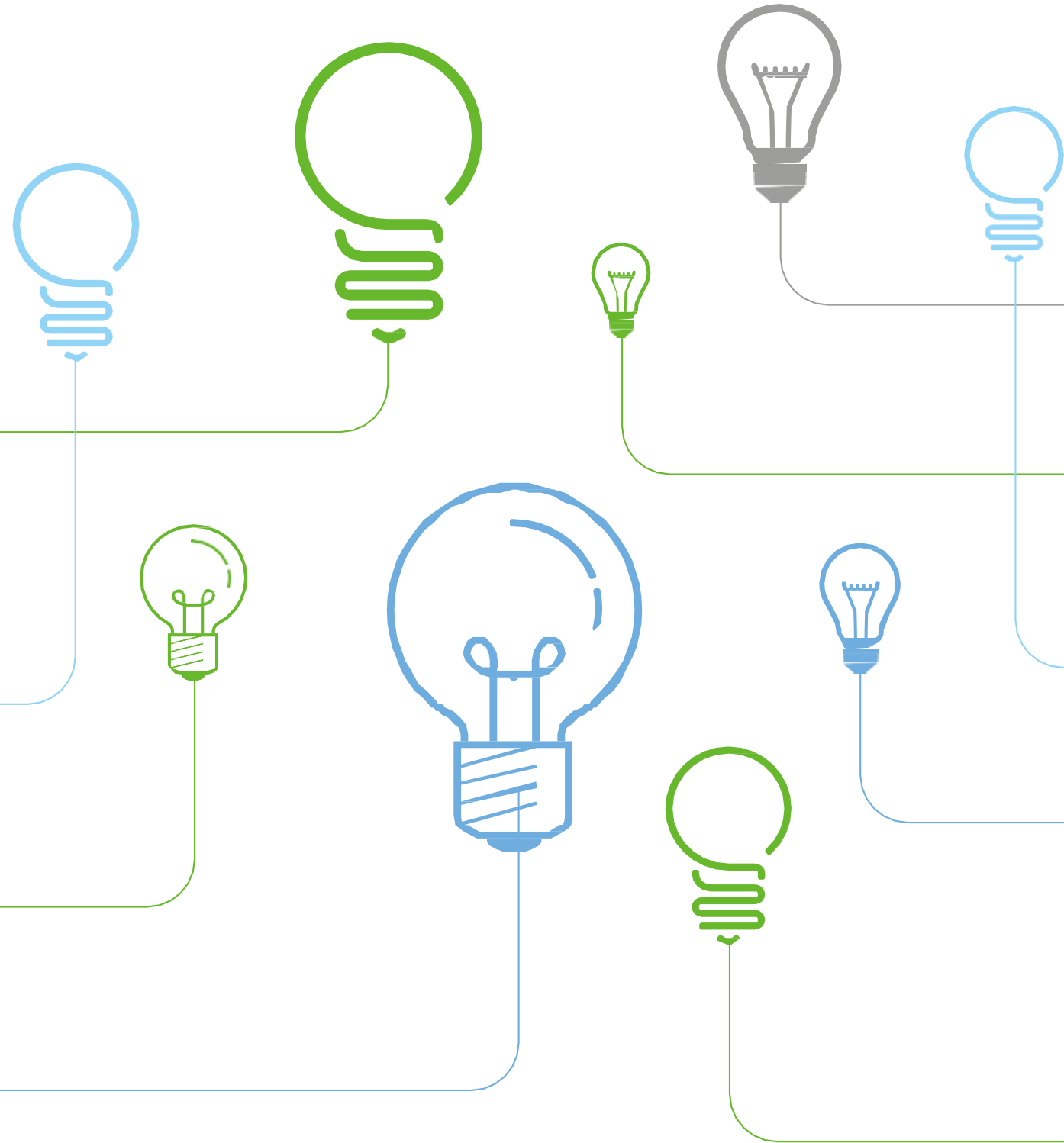
Helping developers use SIM products (CAT Loader)

Best practices for developing apps on a Secure Element (Interoperability Stepping Stones)

Recommended connectivity profiles for each new network release (e.g. LTE)

Dynamic SIM Service: facilitated deployment of MNO services (SAT)

Establishing interop tests and device recommendations for NFC services



Membership Benefits

All Trusted
Connectivity Alliance
member receive the
following benefits:



Influence the evolution of connectivity / security technology through engagement in working group initiatives.



Recognition alongside global leaders as an active participant within an authoritative industry organisation.



Access to collective member market data on a quarterly basis.



Member knowledge sharing and networking.













Cooperation with other industry associations.



Time to market efficiencies and advantages gained through participation in industry-level discussions.

Membership Benefits

	 Executive	 Full	 Ordinary	 Subscriber
 Eligible for Board seat	✓	X	X	X
 Access to Board meeting minutes	✓	X	X	X
 Market data access	✓	✓	X	✓
 Eligible to chair working groups	✓	X	X	X
 Working group participation	✓	✓	✓ Subject to Board approval	X
 Opportunity to represent TCA at industry events	✓	X	X	X

Join us



If you are interested in finding out more about becoming a Trusted Connectivity Alliance member, please contact:

info@trustedconnectivityalliance.org