



eSIM
Interoperability Service

Delivered by

COMPRION

TCA eSIM Interoperability Service

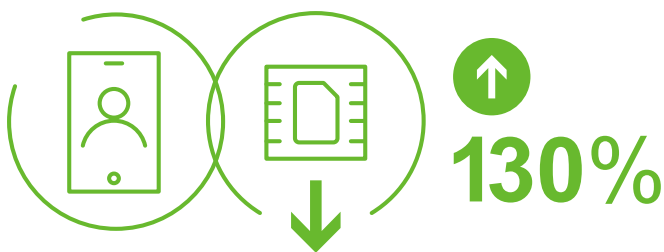


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Enabling MNOs, MVNOs, profile developers and device manufacturers to promote confidence and trust across the eSIM ecosystem.

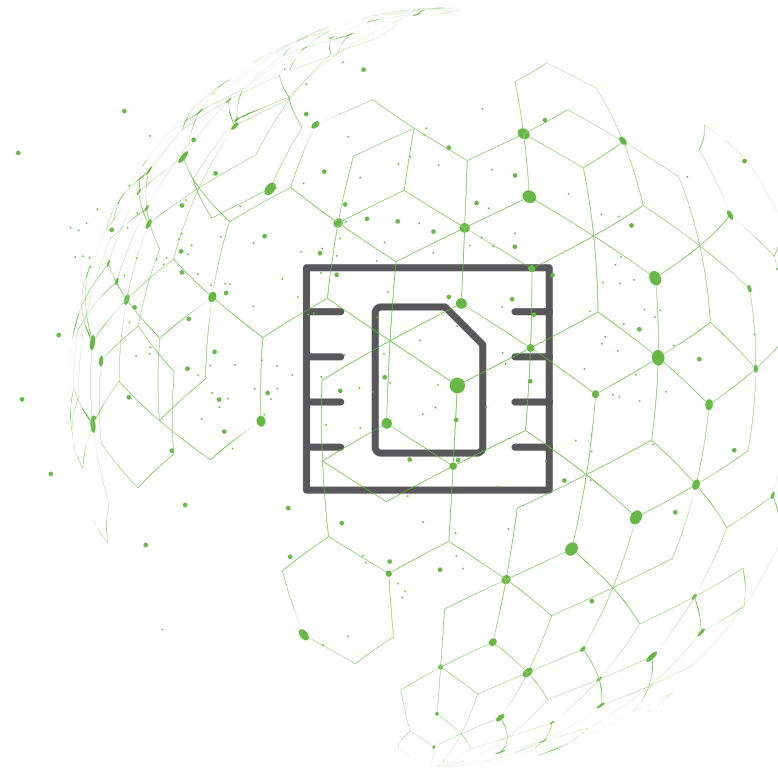
Advancing eSIM Interoperability

Consumer eSIM adoption is surging. The latest [market data](#) from TCA shows consumer eSIM profile downloads increased by 130% in 2022. This was supported by the growing deployment of consumer eSIM Subscription Manager (SM) platforms, which increased by 29%. And with major device manufacturers launching flagship eSIM-only products, it is clear the technology is ready to be realised at scale.



Yet growing eSIM adoption presents challenges for operators.

For MNOs and MVNOs, the subscriber acquisition process usually involves marketing, sales, activation, and onboarding. The eSIM plays a key role in the last two stages and it is here that challenges arise.



Imagine an end user subscribes to a new operator tariff. They follow the usual steps of downloading an eSIM profile only to find that they cannot connect to the network on their new device as the profile is faulty and was not properly tested before being deployed. This erodes consumer confidence and can have significant commercial and reputational consequences for operators in the long-term, particularly when considering the significant cost of acquiring new subscribers. To protect investments and avoid churn, operators must provide a seamless customer onboarding experience.

Although technical standards provide industry-approved guidelines for eSIM development, they are very complex and subject to slightly different interpretations. Operator-specific eSIM profiles are rarely comprehensively checked against the technical specifications, and many operators lack the resources to test against the broad range of devices and related technologies necessary to ensure true interoperability.

As the eSIM ecosystem expands, how can operators overcome interoperability issues and ensure their profiles work correctly with new devices and products?

Introducing the TCA eSIM Interoperability Service

The TCA eSIM Interoperability Service solves challenges in subscriber activation and onboarding by enabling operators to test how their eSIM profiles interact with an extensive range of consumer eSIM devices.

This helps to identify and address individual interoperability and compatibility issues prior to deployment.

Why Use the TCA eSIM Interoperability Service?

Industry-Led and Expert Driven

The initiative is led by TCA – an industry organisation that counts leading eSIM hardware and service providers among its membership, and has a proven record over decades promoting interoperability across the SIM ecosystem. Testing is delivered by COMPRION, a leading test solution provider.

Extensive Range for Increased Confidence

A broad inventory that is constantly updated with eSIM devices currently deployed in the market, including smartphones, wearables, tablets and laptops, provides the confidence that your eSIM profiles are compatible with a wide range of commercially available devices. This is particularly beneficial for operators with more limited resource for in-house testing.

Increased Efficiencies

Proactively testing your eSIM profiles means issues can be identified and resolved prior to deployment, helping reduce costs and accelerate time-to-market.



A Flexible Approach

Get the type of testing you need, tailored to fit your specific requirements.

Testing can be conducted on a self-serve basis either on-site at COMPRION's headquarters or remotely. It can also be delivered by COMPRION's team of experts.



“GSMA is very pleased to see the emergence of a service that promotes interoperability between eSIM hardware, operator profiles and servers. With the emergence of eSIM-only smartphones in some markets, this service is essential for consumer confidence.”

Ian Pannell,
Chief Engineer, **GSMA™**

To enquire about the TCA eSIM Interoperability Testing Service, contact: info@trustedconnectivityalliance.org and visit the [TCA](https://www.trustedconnectivityalliance.org) and [COMPRION](https://www.comprion.com) websites.