IoTAS has a wealth of device testing experience, regulatory approvals and helping clients develop their products for market. IoTAS offer proven testing solutions with a global footprint across UK, Europe, Australia, Japan, USA and LATAM.

Specialising in Live Network Testing solutions for cellular 3GPP 4G/3G/2G technologies and NB-IoT/ Cat M1, IoTAS is the only UKAS accredited GCF Recognised Test UK House for IOP and Field Trials and an Assessment Capable Entity, enabling us to assist GCF Associate Manufacturers to obtain required certification. We also provide Open Market Device confidence level testing.

IoTAS
Wireless Testing Group

Mobile Network Operator Approvals

Due to the unique relationships IoTAS has forged over the years and across the continents, we are able to provide formal Operator Approval testing, sometimes referred to as 'pre-testing', in Australia, Japan, LATAM and the United Kingdom.

Accordingly IoTAS is ideally positioned to assist OEMs (Fully Certified and Open Market suppliers), module and chipset manufacturers with:

- Commercial introductions, depending upon location
- Consultancy and direct support of Operator Approval submissions
- Full Pre-testing to an approved MNO specification

Open Market & MVNO Solutions

With the increase in Mobile Virtual Network Operators (MVNO) and Open Market handsets, free from carrier customisation and sold direct to end users, professionally delivered testing programs have never been more important.

IoTAS offer OM & MVNO Live Network Testing solutions which provide detailed summary reports as well as issues and observations throughout the test program. The final test report, following full review, is released upon completion. All testing will be completed according to IEC/ ISO 17025

GCF Certified Testing & ACE Services

As the UK's sole independent GCF Recognised Test Organisation (RTO) and Assessment Capable Entity (ACE), IoTAS can identify the Conformance, Field Trial and IOP tests that need to demonstrate device compliance with all relevant GCF Certification Criteria.

We provide the quality Field Trial & Live Networking testing for :

- E-UTRAN (4G/LTE) Infrastructure
- UTRAN Infrastructure
- GERAN Infrastructure
- SMSC
- UICC
- Network independency
- IP-CAN
- VoLTE
- VoWiFi
- RCS
- OMA MMA
- OMA Browsing
- UICC based NFC IOP
- NB-IoT
- LTE Cat M1
- Etc...

IoTAS is also the only UK-based ACE, with a global footprint of test centres delivering RTO support. Our accreditation as an ACE is evidence of our team's skills, qualifications and practical experience of GCF processes in supporting members through GCF certification.

IoT / NB-IoT / Cat M1 Testing

IoTAS are able to offer NB-IoT and Cat M1 Field Trial testing and are accredited to ISO 17025 Accreditation for GSMA TS.40/ CLP.23. IoTAS were the first RTO to be UKAS accredited to perform GCF Field Trials for NB-IoT and Cat M1 testing.

IoTAS offer local live network testing solutions for Cat M1 devices on Telstra in Australia as well as AT&T Mexico and Telcel Mexico through our partners based in Guadalajara Mexico.

Network Intelligence

When Customers are discussing their testing requirements with us they expect us to know about the Operator networks, the Infrastructure supporting the services, coverage and test routes. Fundamentally they want to know that 'we know' how to support them and have the confidence to place their orders with us.

IoTAS maintains a Network Intelligence database detailing the technologies and frequency bands supported by network operators globally. This means we are in an ideal position to respond to requests in the shortest possible time.

Compliance & Regulatory Services

IoTAS can assist in the goal of achieving CE compliance certification and have successfully managed numerous RED approval processes, offering a full consultation & program delivery service for customers wishing to achieve this standard, including harmonisation management.

Carrier Aggregation (CA) Testing

IoTAS have significant experience in testing CA in various configurations:

- Intra-band Contiguous
- Non-contiguous
- Inter-band

IoTAS can offer testing to the latest CA release on commerical networks where available.

KPI throughput testing can be conducted within live network environments against commercial reference devices. Also, IoTAS are able to utilize high performance servers to reach maximum data rates in UDP or TCP, enabled by Carrier Aggregation.

New testing solutions

IoTAS are also developing new services and solutions for the market including:

- eSIM remote provisioning
- Mobile Earth Station
- Mission Critical / Public Safety Communication
- Turn On / Turn Off support

GCF Recognised Test Organisation

GCF ACE Assessment Capable Entity

UKAS TESTING 7619

We firmly believe that our solutions and services, provided alongside your product's development pathway will help in making your products better.

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Making Your Products Better