



GCF TESTING & CERTIFICATION EXPERIENCE YOU CAN TRUST

Test House | Systems House | Software House



GCF CERTIFICATION - AS GOOD AS A MUST FOR GLOBAL ROAMING

The GCF (Global Certification Forum) was established in 1999 in order to supplement the very limited regulatory requirements for different regions such as Europe or specific areas in Asia. The purpose of the GCF is to provide the certification framework for end-products (devices) covering cellular technologies such as GERAN (GSM), UTRAN (UMTS) and E-UTRAN (LTE), working within the global frequency bands.

GCF is responsible for the management of an independent certification program to help ensure the global interoperability between mobile devices and networks. GCF has been joined by almost all big network operators that are making use of cellular 3GPP technologies.

The GCF certification process is based on technical requirements as specified within dedicated test specifications provided by 3GPP, OMA, IMTC, GSM Association and others. Test Cases from these test specifications have been selected in order to verify the correct technology behavior of devices as tested in GCF qualified test laboratories.

GCF is constantly developing additional requirements based on new technologies subject to innovative devices covering cellular technologies. Although GCF certification is voluntary, most network operators and retailers require this certification.

REQUIREMENTS YOU HAVE TO VERIFY

The 7Layers Global Test and Certification Services are based on years of experience with modern wireless communications technologies and up-to-date knowledge of requirements from regulatory and certification bodies as well as other third parties (e.g. operators). Whether for the telecommunications, the automotive or automation market, we help you bring your products, modules or applications onto the global market in a fast, cost effective and efficient manner.

In order to pass the GCF certification process, you need to successfully pass all applicable test requirements. The appropriate test and consulting services are provided by 7Layers through our multiple service centers featuring GCF accredited test laboratories.

AT A GLANCE

- Outstanding experience with GCF certification
- Wide range of services
- Global Network of accredited test laboratories

THE 7LAYERS SERVICES – PROVIDED AROUND THE WORLD

- Consulting on GCF certification
- Consulting on technical documentation
- Analyses of technical issues as identified
- Consulting on issue resolutions
- GERAN, UTRAN and E-UTRAN (LTE) conformance testing (GSM, GPRS, EDGE, AMR, DARP, UTRA-FDD, A-GPS, HSPA,...) in all frequency bands
- Application Enabler conformance and interoperability testing (MMS, DM, Browsing, Video Telephony, S-UPL, IMS, ...)
- RF Antenna performance testing (TRP, TIS - OTA)
- Battery Life measurements
- Data Throughput performance testing
- Radiated Spurious Emission testing
- GCF field testing according to all required real-life network scenarios

All GCF testing and consulting services are based on the GCF certification criteria and test specifications, as referenced in the GCF permanent reference document GCF-C as well as the GCF certification database (DCC).

MAKE SURE IT WORKS AND GETS ACCEPTED

7Layers is an active member in all GCF working groups such as the Steering Group, the Agreement Groups as well as other Ad-hoc Groups.

Because of our active membership in these groups, we are highly competent to guide you through all technical and procedural process elements and requirements.

Due to the many projects we have been looking after in the past, our knowledge of GCF certification processes, and how best to deal with them, is highly extensive.

This way our GCF accredited test laboratories can help device vendors to pass the GCF certification process as fast as possible.



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