

Cinterion® Support Package

SW03

Application Verification Testing

Motivation

When connecting a customer business with an Internet of Things (IoT) or Machine-to-Machine (M2M) solution many challenges apply. One is being able to assure that the solution will deliver the stipulated performance according to the needs even in varying radio conditions before launch. What happens if the device doesn't get a PDP context? Does the application cause unnecessary signaling load on the network causing the service provider to turn off the service?

In order to cost efficiently test this, Telit Cinterion partners with Ericsson who provides an Application Verification Testing service testing customer solutions in the Ericsson Experience Labs.

Package Description

In order to make the Application Verification Testing cost efficient and effective, the overall test strategy is to select a test scope in order to validate the application, connection efficiency and network compatibility of the Application with the operator network and services, and to minimize any detrimental effects to the Operator network.

All services are available for 2G, 3G and 4G. The test results are documented with a report and any issues identified will be listed with potential additional tests needed to identify the root cause.

Customer Consulting

Design-In Consulting

Schematics, Layout Review

Hardware Consulting

Antenna, ESD, Spurious

Software / Application Consulting

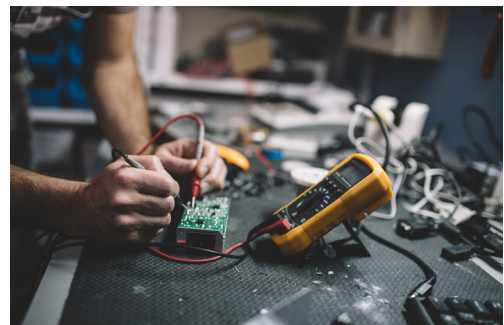
ATC, USB, MUX, RIL, Java

Approval Consulting

Protocol, Toolkit, SIM (SW, HW)

Production Consulting

Production line, End of Line



Package Offer

Package Content

- | Application Test
- | Connection Efficiency
- | Network Compatibility
- | Antenna Performance (optional)
- | Radio Performance (optional)
- | Trouble Shooting (optional)

Requirements/Pre-Conditions

- | In order to perform the tests, it must be possible to insert a test SIM card as well as connecting an RF cable. Before any planning or test activities can start, information is needed about the solution to be tested. A provided checklist needs to be filled.

Results/Outcome

- | The deliverables will consist of test reports containing results from the different packages selected. The test report includes "pass" or "fail" statements for each test case. In case of faults that have been identified a reasonable analysis will be performed in order to identify the fault causing system.
- | The deliverables include classification of errors and the identification if possible.

Conclusion – Next

We will be glad to share our expertise with you and to improve the hardware and software design of your application. We offer further project attendant services which may be valuable for your project. Feel free to contact our representative for further information.



Estimated effort:

Normal Course Duration:
2-5 days (depending on
the test scope)

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