

The COMPRION SIMfony USAT package for combined handset conformance testing

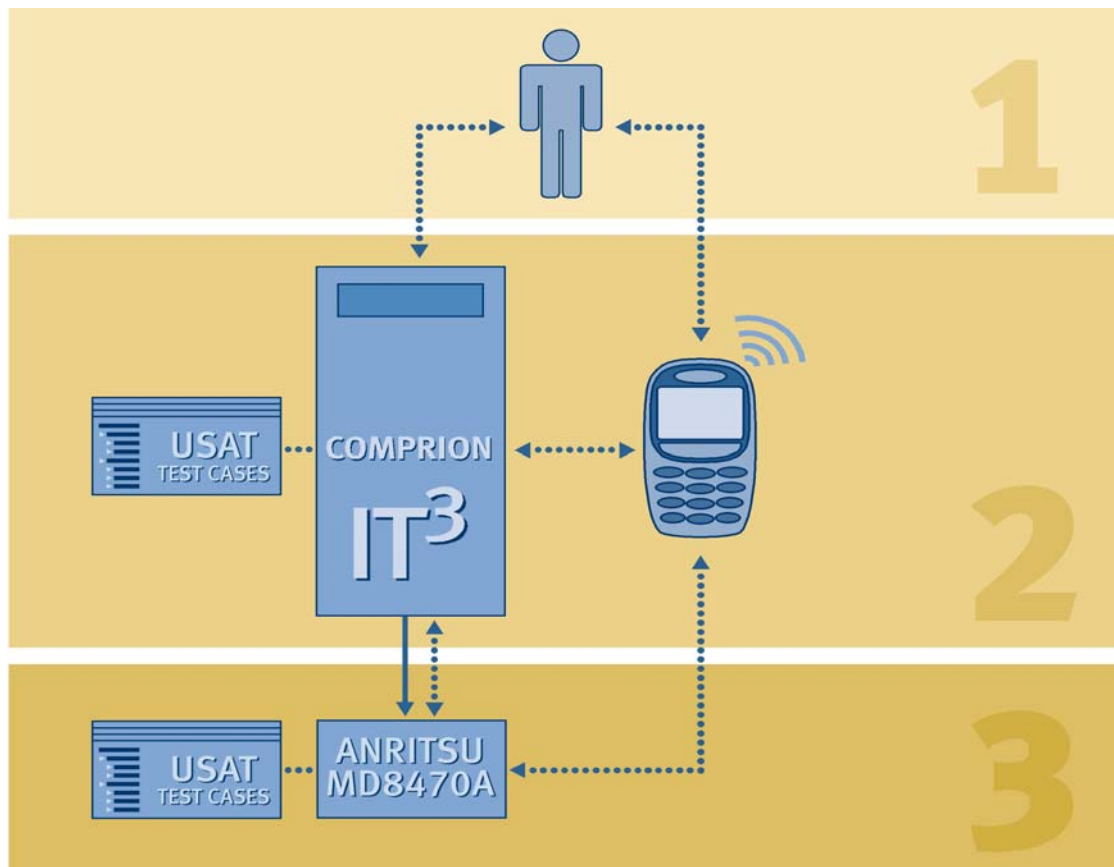
Product Information

1. Introduction

The **COMPRION SIMfony USAT package** is a new product from COMPRION for combined USAT handset conformance testing. This package includes the **3GPP 31.124 USAT tests** listed in the **Work Item 35**. The product is currently under validation for GCF and PTCRB conformance testing.

The **COMPRION SIMfony USAT package** allows high performance testing, thanks to test system automation and intuitive user guidance. It offers efficient error debugging, easy software installation and service & maintenance from COMPRION.

Setup for combined USAT tests



2. The setup and software of the **COMPRION SIMfony USAT package**

The COMPRION SIMfony USAT package combines the validated IT³ Platform or IT³ Prove! with the Anritsu MD8470A signalling tester which supports functional testing of mobile terminal applications according to GCF/PTCRB USAT related test cases.

The IT³ Platform/IT³ Prove! includes all the necessary USAT simulation and software modules.

Test case package 3GPP TS 31.124: Stages 1-3

Test Case Manager for PICS/PIXIT handling

Test Case Manager Pro:

- ...❖ Test case selection with respect to the ME's optional features, ME's terminal profile and with respect to GCF/PTCRB
- ...❖ Unique and detailed test project generation with respect to the ME's optional features, ME's terminal profile and with respect to GCF/PTCRB

IT³ Network Simulation Services:

- ...❖ Quickly establishes the connection between both test systems by simply entering an IP address into the IT³ Platform/IT³ Prove! GUI
- ...❖ Synchronises the IT³ Platform/IT³ Prove! and the Anritsu MD8470A
- ...❖ Transfers testcase configuration parameters from the IT³ Platform/IT³ Prove! to the Anritsu MD8470A
- ...❖ Transfers MD8470A log files to the IT³ Platform/IT³ Prove! for offline viewing using the Anritsu offline viewer and the existing IT³ data storage concept

IT³ Network Simulation Controller:

- ...❖ Used to exchange data like synchronisation and information messages, configuration files, logs, etc. between the IT³ Platform/IT³ Prove! and the Anritsu MD8470A
- ...❖ Allows viewing of the messages between both systems
- ...❖ Used for license handling of the control software and test cases on the Anritsu MD8470A

COMPRION's network simulator test cases "IT³ Test Cases 3GPP TS 31.124 USAT USS Set 1" (covers the combined GCF WI-35 tests)

3. The connection, synchronisation, results and log files of the COMPRION SIMfony USAT package

The COMPRION IT³ Platform/IT³ Prove! communicates with the Anritsu MD8470A using DCOM based on TCP/IP. The connection between the systems is easily established using the IT³ Platform/IT³ Prove! GUI, where only the IP address of the MD8470A needs to be entered.

The synchronisation of test systems when running test cases has been transferred from the user, who normally interacts with both IT³ and network simulator separately, to the IT³ Platform/IT³ Prove!. The user only has to interact with the terminal and the IT³ Platform/IT³ Prove!.

Test cases are synchronised and stopped automatically from the IT³ and they can also be executed in a time-efficient batch mode. This allows the execution of all stand alone and combined GCF/PTCRB USAT tests, which are applicable to the terminal, in one batch.

It is also possible to switch to a manual test execution mode, should automated Test System interaction not be required.

The testcase result files, including those from the Anritsu MD8470A, are uploaded to the IT³ Platform. The network simulator log files can be viewed on the IT³ Platform/IT³ Prove! using the MD8470A offline viewer. The Anritsu MD8470A verdicts are merged with the IT³ Platform/IT³ Prove! protocol which provides the overall test verdict.

For further information please visit our home page at www.comprion.com

COMPRION GmbH

Technologiepark 11

33100 Paderborn

Germany

Tel: +49 (0) 5251 699 86 0

Fax: +49 (0) 5251 699 86 99

Email: sales@comprion.com