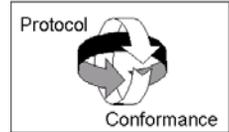


TELECOM CONFORMANCE TESTING / RELIABILITY

Development of test tools

Do you require solutions for the configuration and operation of your equipment within the test environment as well as for evaluating the transmission quality?

Our portfolio extends from user-friendly applications for setup of the test object to operation and maintenance aspects of the associated protocols through to complex signaling situations when creating and operating communication links. We also implement test devices for communication loads on established connections, for example, for specific monitoring or for determining bit and block error rates.



Moreover, we offer solutions for your communication protocols that standard products cannot provide. In spite of all standardization endeavors, vendor-specific, proprietary interfaces are still to be found in TDM and IP networks (for example, Abis in GSM and MGCP in IP Media Gateways). Some of the software packages for such interfaces are not even available from the vendors of protocol test systems. In other cases, the ever-shorter release cycles and increasingly frequent changes and redesigns made at short notice, make faster response times essential. Our laboratory offers you implementations of proprietary interfaces with a maximum in flexibility. The implementations are closely coordinated with the system development project management and are always delivered as scheduled.

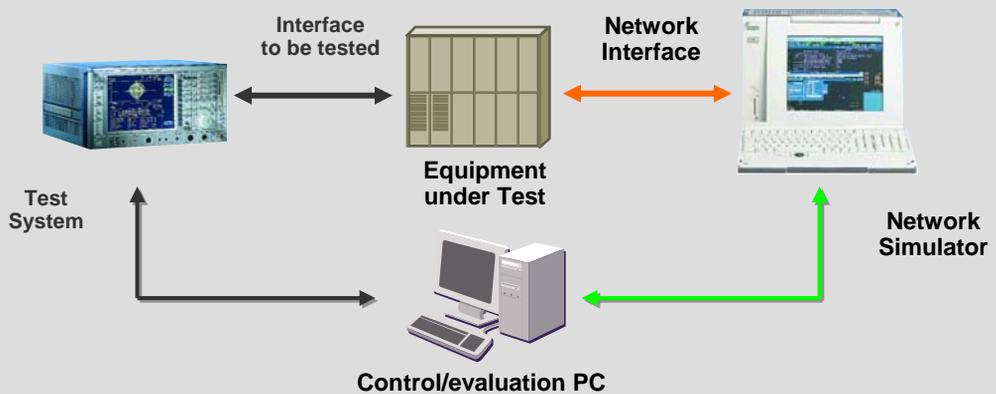
We currently offer simulation, monitoring and a range of test devices in order to qualitatively assess the following interfaces:

- UMTS FDD Iub
- GSM / GPRS / EDGE Abis
- UMTS TDD Iub
- TD-SCDMA Abis

Our services are provided on the premises of the Center for Quality Engineering. The neutrality and independence of the center have been recognized by the Deutscher Akkreditierungs-Rat (DAR) [German Accreditation Council] and are guaranteed by our company management.

Basic representation of an integrated test system

showing the attended network interface as well as the PC for control and evaluation:



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