highstreet
System and Network Test

Service Flyer

OVERVIEW

Telecommunications networks are the nervous system of today's global economy. Our knowledge-based societies depend on their proper functioning. Even short-term network outages may cause significant damage. Systematic testing of telecommunications equipment and networks all along the development and production process is an indispensable element of quality quality.

The highstreet System and Network Test Service addresses this requirement. With many years of experience in the test of modules, systems, and networks the experts of highstreet technologies are able to ensure highest quality standards.
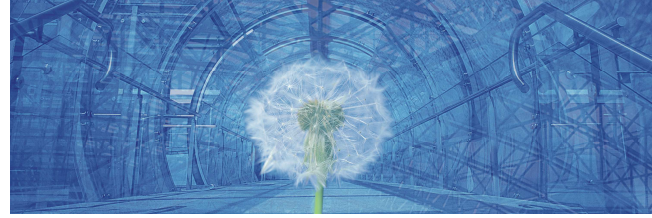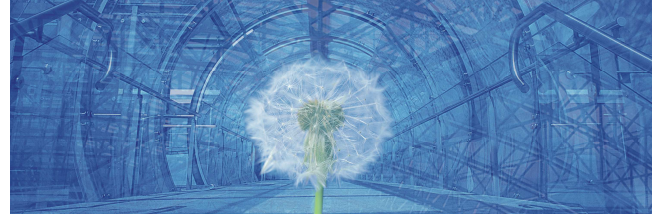
SYSTEMS UNDER TEST

The professionals of highstreet technologies have many years of experience in testing digital circuitry (CLPDs, FPGAs, ASICs) and printed circuit boards. They are able to integrate complete telecommunications systems consisting of hardware and software modules. For network operators the acceptance test and network integration capabilities of highstreet technologies may be of particular interest. In addition to telecommunications equipment testing, highstreet technologies is experienced in software testing ranging from embedded software via element and network management systems to network planning and optimization tools.

TEST ACTIVITIES

The highstreet System and Network Test Service starts with the preparation of test concepts and the definition of test cases. Test environments can be set up allowing a high degree of automatic test execution. highstreet technologies has also experience in remote testing. The test execution and the documentation of the test results complete the highstreet System and Network Test Service. Of course, customers may pick only those test activities which they have demand for.

TECHNOLOGIES AND TOOLS

The testers of highstreet technologies have in-depth understanding of telecommunications technologies like DSL, GPON, PDH, SDH, DWDM / OTN, Carrier Ethernet, ATM, IP, MPLS, and Radio Access Networks. They are equally familiar with corresponding network management and planning systems. They know the details of protocols like PPP, IEEE1588, Iub, SNMP, and TMF CORBA. And last but not least, they are experienced in the use of test systems like W&G ANT-20, JDSU MTS 6000A, Spirent Test Center, or Artiza RNC Simulator and in the use of tools like Etherreal / Whireshark and LabView.

SUMMARY

highstreet System and Network Test Service	
Systems Under Test	Digital circuitry
	FPGAs and ASICs
	Printed circuit boards
	Software modules and systems
	Telecommunications protocols
	Network equipment
	Element and Network Management Systems
	Network Planning and Optimization Tools
	Transmission networks
Test Activities	Test concepts
	Test specifications
	Set-up of test beds
	Test automation
	Execution of test cases
	Documentation of test results
Technologies and Tools	DSL, GPON, PDH, SDH, DWDM / OTN, Carrier Ethernet, ATM, IP, MPLS, UTRAN
	SNMP, TMF CORBA, PPP, IEEE1588, Iub
	W&G ANT-20, JDSU MTS 6000A, Spirent Test Center, Artiza RNC Simulator
	Wireshark, LabView
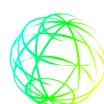
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