

TF-NGN

*Hands-on evaluation
of new routers and switches
(activity 9.7)*

Athens, 3-4 November 2005

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Features to be tested (1)

- T640 – TX migration
 - Upgrade from one T640 to a TX+T640
 - Impact on the system (packet loss)
 - Insertion of a new T640 into a TX system
 - Impact on the system (impact on other nodes and the traffic)
 - JUNOS release update (performed on the TX for the whole system)

Features to be tested (2)

- Redundancy and failover
 - Switch Off/On one module in the T640 Switch Fabric
 - Redundancy of the TX Control Plane (Routing Engine)

Features to be tested (3)

- Forwarding plane – throughput, latency, jitter
 - 2 PICs on the same PFE
 - 2 PIC on different PFE but the same FPC
 - 2 PIC on different FPC
 - 2 PIC on different T640 connected to the TX

 - IPv4 Traffic
 - IPv4 and IPv6 Traffic
 - MPLS Traffic

Features to be tested (4)

- Control plane
 - Convergence of routing protocols intra-T640 and inter-T640

Features to be tested (5)

- MPLS LDP / VPN
 - Intra- and inter-T640:
 - MPLS switching in case of IS-IS convergence (MPLS single label)
 - MPLS switching with VPN traffic in case of IS-IS convergence (MPLS dual label)

Features to be tested (6)

- QoS / CoS
 - Test a few CoS scenarios intra- and inter-T640

Features to be tested (7)

- 10GE DWDM PIC
 - Full C-Band tunable via CLI
 - Command line configuration
 - Troubleshooting – optical monitoring
 - Performance

Features to be tested (8)

- Any other interesting tests?

TX Matrix tests

- Is anyone interested in participation in this test?
- None of European NRENs has experience with TX.
- The test will take place in Amsterdam (Juniper's lab).