

## Prove

From April 29<sup>th</sup> to May 10<sup>th</sup>, China Telecom GuangDong Research Institute tested ZTE's core router ZXR10 P1280 (Hyperchip PBR1280). This testing covers function and performance test; and stability test in a simulated network with ZTE's ZXR10 T128.

Performance test includes: OC192, OC48 and Gigabit Ethernet forwarding; routing table capacity, routing convergence time and number of BGP PEERs and other routing performance.

Function test includes: OSPF and ISIS load balancing, Traffic Engineering support; ISIS routing protocol FAST RESTART (not support), wide metric and ISIS Fast convergence at adjacency startup feature; BGP route reflector and dampening feature; QoS assurance; MPLS link backup; in service software upgrade; chassis scalability and software modular backup test. Multicast and FRR are not tested because they are not supported.

Stability test in a simulated network topology with ZXR10 T128 has been running for 36 hours stably.

Test results and data show that the equipments being tested satisfy the technical requirement of China Telecom's backbone node.

ZTE

2004-9-15

(signature of Wu Chen)

## 证明

2004年4月29日~5月10日由中国电信广东研究院对中兴通讯送检的高端路由器 ZXR10 P1280 (HyperChip 公司的 PBR1280) 进行了测试。测试涵盖功能测试和性能测试, 并和中兴公司的 ZXR10 T128 进行了组网稳定性测试。

性能测试主要包括: OC-192、OC-48 和千兆等接口性能; 路由表容量、路由收敛时间和 BGP PEER 支持能力等路由性能;

功能测试主要包括 OSPF 和 ISIS 路由协议的负载均衡和对流量工程的支持; IS-IS 路由协议 FAST RESTART 功能 (不支持)、widemetric 和 ISIS Fast convergence at adjacency startup 功能; BGP 路由协议的反射器和 dampening 功能; QoS 保证; mpls 链路备份测试; 软件在线升级及机架堆叠和软件级模块备份功能测试。组播路由协议和 FRR 等功能由于不支持, 未测试。

组网稳定性测试主要和 ZXR10 T128 一起组网并稳定运行 36 个小时。

已测试的结果和数据表明, 送检设备基本能满足中国电信对大型骨干网节点的技术要求。

中兴通讯股份有限公司

2004-9-15

吴晨 2004.9.15