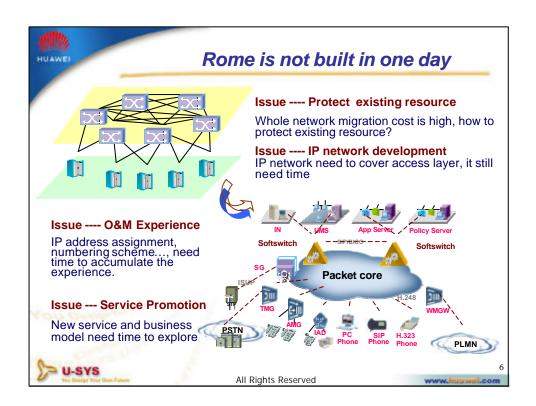
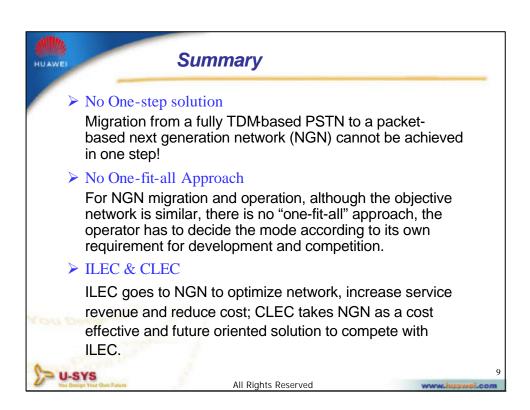


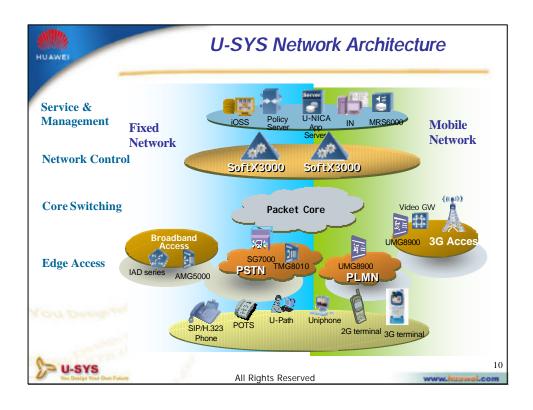
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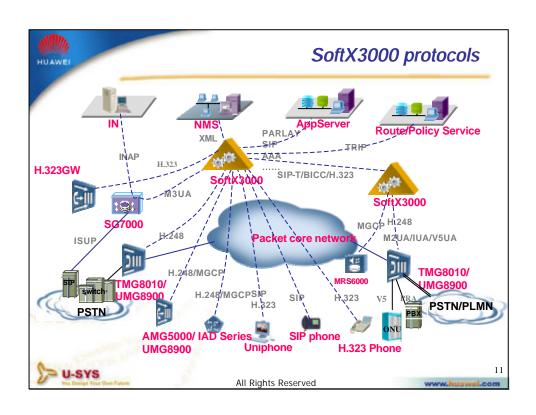


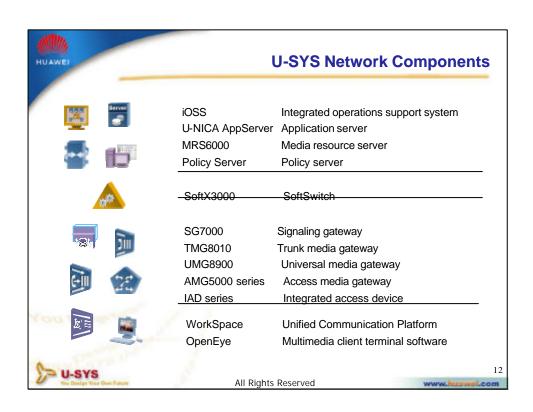
	Internet	Telecom
Service	Internet Service •Compromising QoS is better than denial of service	Telecom Service •Denial of service is bette than compromising QoS
Network	IP Network •Best Effort Connectionless	Telecom Network •Quality guaranteed by connection oriented

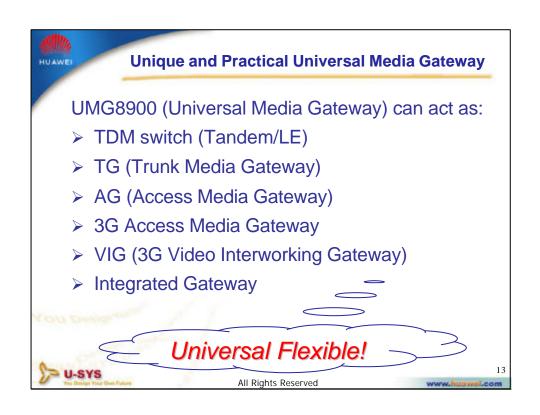
Migration from a TDM-based public switched telephone network (PSTN) to a packet-based next generation network (NGN) is inevitable! Major Reasons to evolve Ability to introduce new services, multimedia applications DSL access penetration Lower cost of ownership: unified network instead of separate networks IP is becoming the universal protocol used to provide most new services Economic Analysis of PSTN Migration to NGN indicates a Pay-Back of 2-3 years after the deployment is complete and an impressive reduction of OPEX Successful NGN implementations exist to date

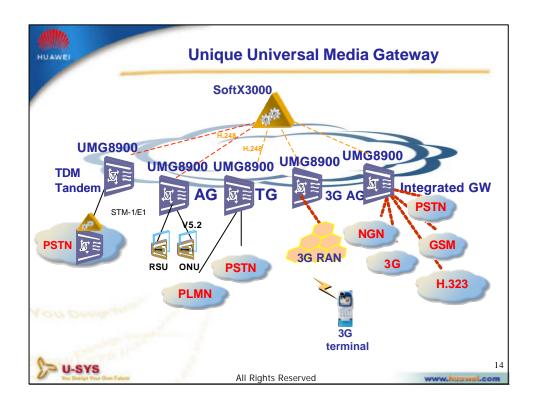


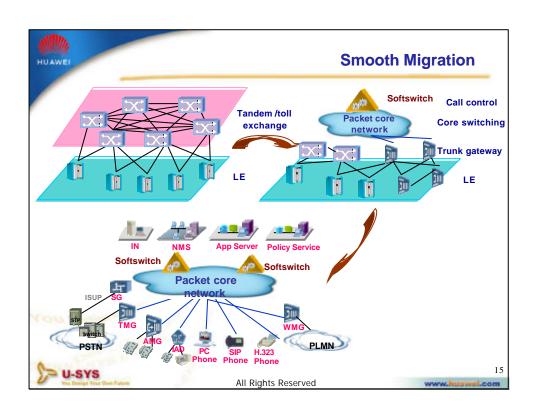


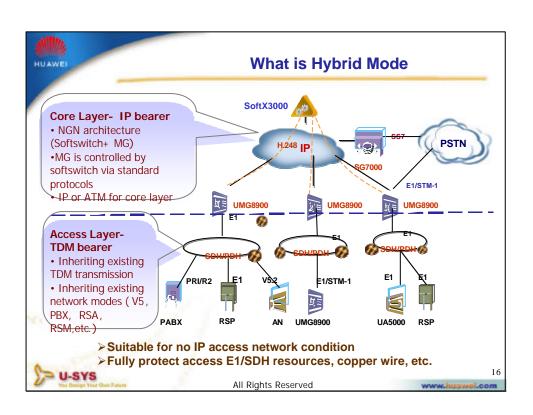


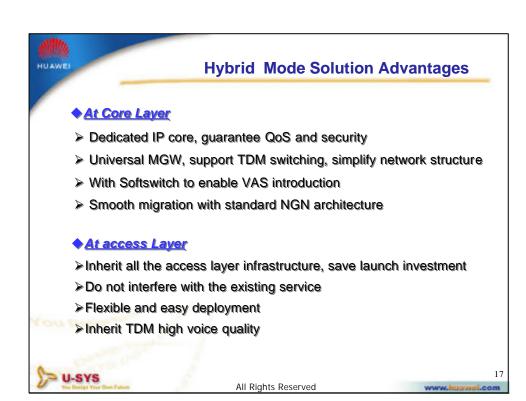


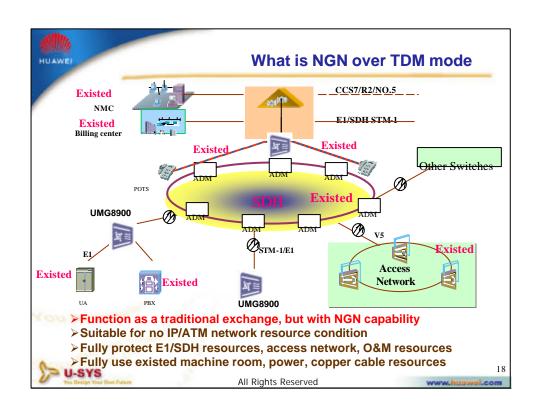




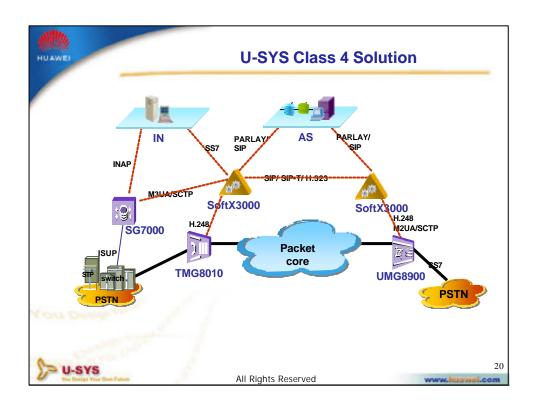


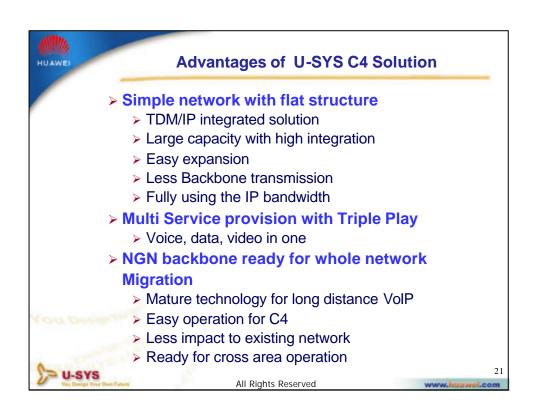


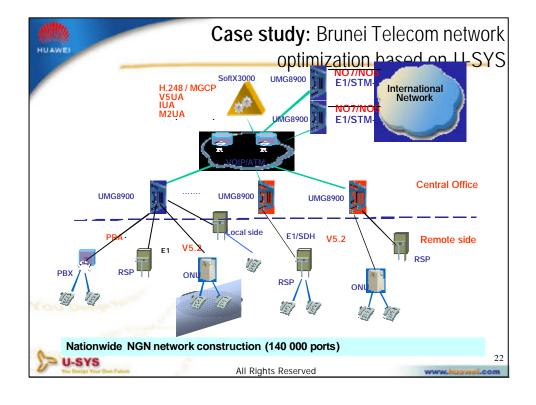


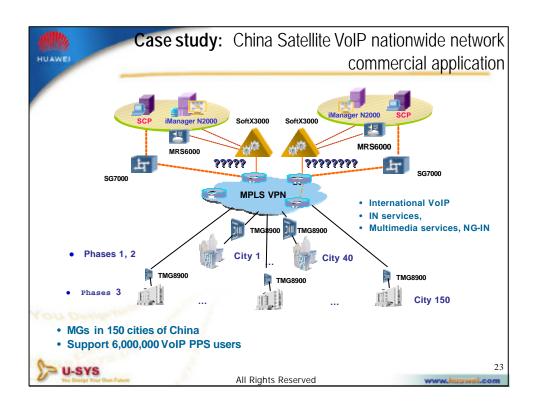


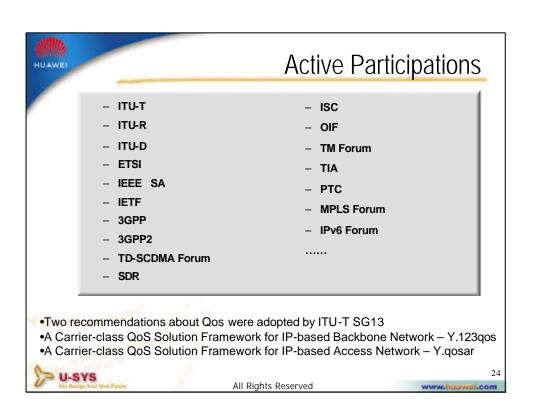
NGN over TDM Solution Advantages > Backward compatibility > Ensure voice quality & security > Inheriting PSTN networking modes, e.g. RSU, AN, etc > Inheriting existing PSTN services and VAS, IN services, etc. > Fully utilizing current transmission to protect investment > Low impact to existing network and keep current OA&M structure > Forward compatibility – NGN Ready > Deploying standard NGN architecture > Strong service provisioning, e.g. IP Centrex, UC, etc. > High integration, unified NMS and centralized billing.













Active Participations

- On July, 2003, China Telecom and Huawei Technologies together submit A Carrier-class QoS Solution Framework for IP-based Backbone Network and Access Network on the fourth seminar of ITU-T SG13 2001-2004.
- •The two documents defined the framework, architecture and requirements of carrier-class QoS technology in IP-based backbone and access network.
- •The two QoS proposals solve the difficulty in implementing QoS of service streams, and keeping compatibility with the present network, ensuring the application of supplementary service on IP network.
- •They are added in recommendation Y.qosar and Y.123.qos. The committee assigns Huawei as the editor of Y.123.qos, and decides that the two document will serve as the basis for researching on End-to-End QoS in NGN.



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