

**BT**

## OnePlan™ Network Resource Planning In British Telecom's 21CN Network Transformation Project

### **Executive Summary**

VPIsystems has been chosen as the network planning system for two of the largest and highest profile next-generation migrations in the industry – Telstra and BT. This case study describes the part that the VPIsystems OnePlan OSS plays in BT's widely heralded 21CN Transformation Project.

# Case Study

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British Telecom (BT) is currently working with VPIsystems on a project to implement a Network Capacity Analysis and Design (NCAD) system to plan its 21st Century Network (21CN) transformation project, one of the world's largest next generation network migrations. BT's transformation project is migrating the carrier's existing network to a converged network based on Internet Protocol (IP) and Ethernet network technologies. This next generation network will allow BT to drastically reduce operation cost and to support rapid new service introductions such as new bandwidth-hungry services, including on-demand interactive TV. VPI's OnePlan™ network planning OSS is a critical element of the project's operations, ensuring that 21CN is able to deliver next generation services today and tomorrow while also enabling BT to plan, design and build out the network as efficiently as possible.

“As the demand for services like IPTV and mobile video content increases, the migration to a next generation network is inevitable for most carriers, and network planning has become a critical precursor and enabler,” said Hank Firey, CEO of VPIsystems. “A product like OnePlan allows carriers to conduct the complex cross-domain planning that is essential to next generation networks and forward-thinking carriers like BT will be better prepared than their competitors to deliver and profit from valuable next generation services.”

VPIsystems' OnePlan Network Planning Systems was chosen by BT after a rigorous selection process. It was determined during that process, that VPIsystems OnePlan was the “market-leading offering suitable for Twenty-First Century Network adoption. No other product offers the same breadth of coverage.”

As of 2Q07, three planning projects have been completed:

- A proof of concept project that validated the market-driven cross-domain approach to network planning that the OnePlan system pioneered, and its applicability to BT's 21CN program,
- Pilot deployments of OnePlan Server, OnePlan Transport, and OnePlan Access,
- A set of task-oriented Best Current Practices (BCPs) for planning converged IP-based networks.

BT will be implementing the solution across the full user base during 2007, focused on planning the migration of voice and data services onto BT's 21CN.

Users will be trained in the comprehensive task-oriented Best Current Practices that cover all aspects of the use of the OnePlan System, including data loading, network capacity planning processes, and processes that tie the inputs and outputs of the NCAD process to existing BT processes and systems.

Additional phases are planned during which the other OnePlan modules are introduced, along with the operations BCPs to provide maximum business value.

When the multi-phase project is completed, BT will be able to optimally and accurately plan, acquire and deploy network capacity across the entire 21CN, based on current marketing, business planning and engineering intelligence. OnePlan will allow BT to roll out "demand-aligned capacity," enabling the carrier to defer capital expenditures until demand for these services requires it. BT will also be able to more tightly align service delivery to actual demand by dramatically reducing its planning cycles.

"VPIsystems is now engaged in two of the largest and highest profile next-generation migrations in the industry," said OSS Observer founder and analyst Larry Goldman. "As carriers plan and deploy their next generation networks, they will need to work with solutions like OnePlan to be successful in delivering new services rapidly and cost-effectively."

VPIsystems is the only provider of integrated network resource planning software and services for the global telecommunications industry. The company's OnePlan software system gives telecommunications and multi-service providers the ability to cohesively plan the financial, technical and marketing aspects of their network evolution, for all current and future network types.

If you are interested in exploring how OnePlan can help your company to achieve similar benefits to what BT will experience, contact [sales@vpisystems.com](mailto:sales@vpisystems.com).