Technology Control Services, Inc. and Compaq

Testimonial: **Joint technology optimizes debit-card solution**

" **Our integrated AlphaServer debit-card solution** has the scalability and performance required by service providers competing on the global playing field. And it enables us to offer many different options from base-level platforms to high availability systems with NEBS/ETSI compliance."— Marc Thomas, Managing Director of Marketing, *TCS, Inc.*

Every telecommunications service provider knows the mantra of success in the 1990s: provide competitive, enhanced services at a competitive cost while significantly reducing time to market.

Knowing the mantra and being able to achieve its goals are two different things.

Fortunately, Technology Control Services, Inc. (TCS) and Compaq *Custom*Systems have joined forces to create a complete carrier-grade debit-card solution that provides all the tools you need to gain a competitive advantage in today's marketplace.

Early adopters

Marc Thomas, a co-founder of TCS, reports that his company started using the 64-bit Alpha technology when it was first released. **"Based on our positive experience, we decided to deliver our products on the AlphaServer Voice Platform running DIGITAL UNIX®."**

Real-world experience

The carrier-grade debit-card solution from TCS and *Custom*Systems has been proven in four years of continuous operations in the TCS service bureau operating in eight countries. TCS plans to grow its service-bureau business into more than thirty international markets.

The TCS and *Custom*Systems debit-card solution includes:

- TCS Universal Services Manager™ software application

- TCS realtime service management tools

- AlphaServer voice-processing systems running 64-bit DIGITAL UNIX

- Programmable switching technology from Excel Switching Corporation

- Oracle® database technology

Advanced, flexible debit-card services

The integrated debit-card solution supports a new service infrastructure based on open, programmable switches and TCS Universal Services Manager software. The programmable switch solution is a powerful alternative to PC-based platforms and the old, mainframe-based systems historically used by carriers.
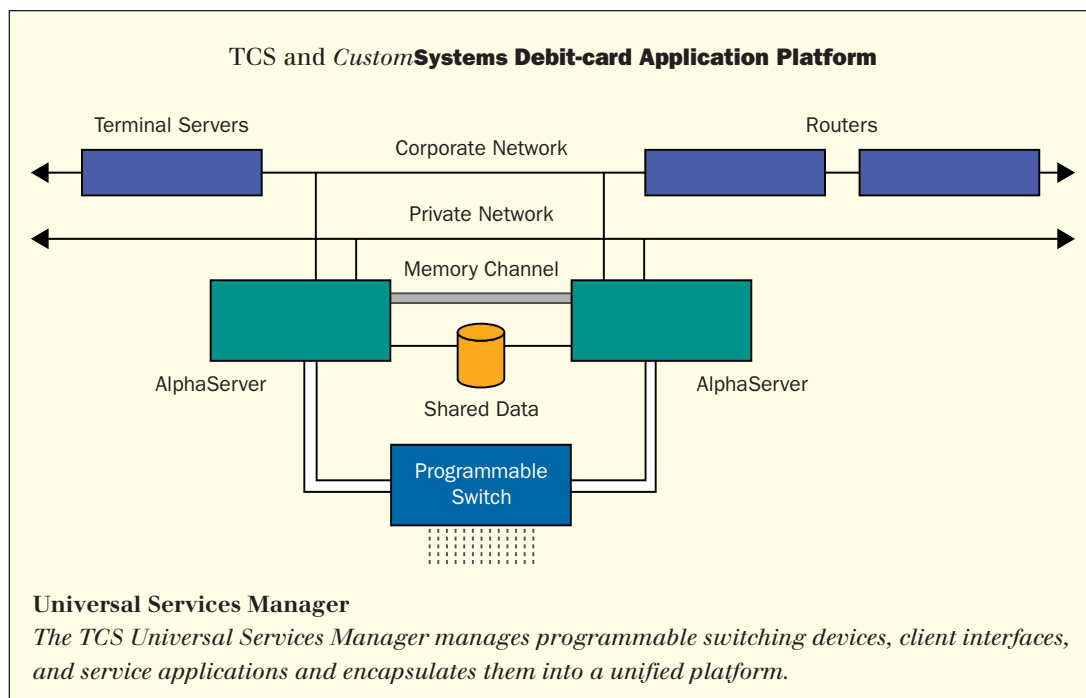
The advantages of using programmable switching

Compared to PC-based systems, programmable switches provide a lower per port cost and a more robust, carrier-grade solution. In respect to mainframe-based systems, programmable switches are an excellent alternative to existing service switches by offering carriers greater service flexibility and time-to-market advantages.

The TCS solution is available today using Excel Switching Corporation programmable switches. By running service software on a separate host machine, Excel programmable switches provide a high degree of call control for calling card and enhanced services applications. Through its open software architecture, TCS solutions can work with other programmable switches as well.

Customize services to meet evolving needs

Using TCS software tools for service creation and platform management, service providers can rapidly customize and deliver services.

Customization capabilities

A uniquely designed scripting language enables operators to control all elements of their debit-card call flow. Customization can occur from the reseller level down to the individual PIN or account number.

Management flexibility

User-friendly Microsoft Windows® based management tools enable subscribers to manipulate and alter program functionality including:

- Voice prompts
- Foreign languages
- Debit balances
- Rate tables
- Recharges
- Expiration dates
- Fraud control parameters
- Speed dial numbers
- Account activation status

Backed by world-class services and support

TCS and *Custom***Systems** have helped major international carriers deploy and support live debit-card services and traffic. In addition to the total systems solution, TCS and *Custom***Systems** partner closely to offer complete system-integration services and 24 x 7 product and network support.

Value-added solutions

*Custom***Systems** experience and expertise in telecom and computer telephony enable us to deliver value-added solutions on the 64-bit AlphaServer platform that scale to thousands of ports. **We also provide high availability and NEBS/ETSI Central Office packaging with features such as –48VDC, seismic packaging, and fault-management capabilities with visual and audible alarms.**

*Custom***Systems** Contact Information	
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Web Site	www.techcontrol.com/carriersolutions/callingcard.html

TCS and *Custom*Systems Debit-card Application Platform

Universal Services Manager
The TCS Universal Services Manager manages programmable switching devices, client interfaces, and service applications and encapsulates them into a unified platform.