



SaskTel OSS Solutions

Provisioning / Activation / Assurance

Provisioning (MARTENS™)

Inventory, Provisioning, Auto Assignment, Network Optimization, and much, MUCH more...

Comprehensive, function-rich OSS solutions out of the box.

The efficient and optimized delivery of high quality service is essential to continued success. SaskTel International's MARTENS™ provisioning solution provides a powerful set of features that automate technology and network assignment and provisioning while optimizing network capabilities, minimizing errors and enabling flow-through capabilities.

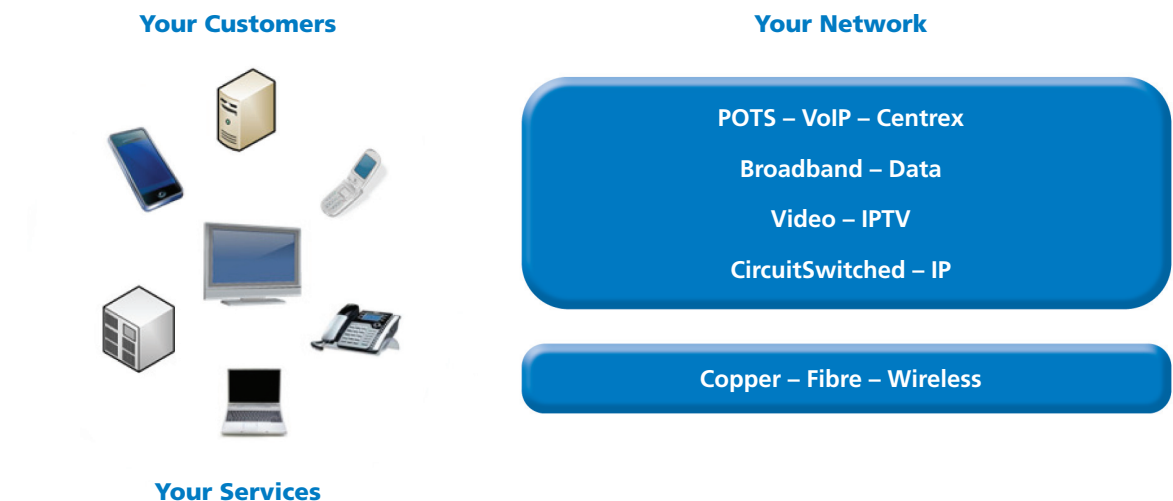
About SaskTel International

Since 1986, SaskTel International has been helping clients around the globe lower costs and boost revenues by developing, improving, and expanding their telecommunications systems. Our solutions streamline telecommunications infrastructures in 30 countries across six continents. SaskTel International's unique position as a successful, independent, operating telecommunications company allows us to effectively serve the global marketplace by providing best-in-class, unbiased solutions to our customers.

From leading edge OSS Solutions to professional consulting with our ICT division, we can help you achieve your strategic goals and grow your business. SaskTel International's head office is located in Regina, Saskatchewan, Canada and is home to our OSS Solutions and ICT Consulting divisions.

For more information, contact:

**SaskTel
International Division**
2550 Sandra Schmirler Way
Regina, SK S4P 3Y2
Canada
Toll-free in US & Canada: 1-877-242-9950
Email: sasktel.international@sasktel.com
www.sasktelinternational.com



MARTENS™ Inventory and Provisioning

In today's increasingly competitive communications market, operators are finding that their own network infrastructures are one of the main barriers to success. All too often, legacy systems are fragmented and siloed, making it difficult to offer and bill for next-generation products and services. Often enough, customer services representatives use a swivel chair approach to customer management, trying to manually reconcile conflicting data on a dozen more screens.

MARTENS™ provides completely automated, flow-through provisioning. You get a complete, accurate, detailed logical and physical inventory of your network, enabling fully automatic assignment of customer services. Now you can have services provisioned and activated for your customer while they are talking to your service representatives.



SaskTel OSS Solutions

Provisioning / Activation / Assurance

Provisioning (MARTENS™)

Features

- **Maximize revenue** – provide new services to customers quickly and economically
- **Prequalify services** – MARTENS™ instantly defines service availability
- **Optimize your network** – automatically assign and provision the optimal technology and network for the requested services across all underlying technologies (ATM, Ethernet, etc.) and devices (NGDLC, DSLAM, Ethernet switch, routers, etc.) as well as the media (copper, fibre, wireless, etc.) used to provide these services
- **Maintain facilities' integrity** – always have an accurate representation of your network and understand the effect of customer service activity on your network
- **Improve workflow** – MARTENS™ automatically determines required manual work items and creates programming, connection and address work tickets which are routed to the appropriated work force
- **Automated, real-time access** – online inquiry and update capabilities vastly improve record accuracy and provide this information to all areas of your company that need it—now
- **E911** – get accurate, up-to-date E911 information
- **Automated PIC/CARE processing** – MARTENS™ provides you with relief from overwhelming PIC change requests
- **And much, MUCH more...**

Service Provisioning

MARTENS™ allows automatic assignment of voice, broadband, data and video services across the network. MARTENS™ Service Provisioning is the foundation of the product suite and manages both inside and outside plant. Network components provisioned by MARTENS™ include Cable, Pairs, Serving Terminals, X-Connects, Telephone Numbers, NGDLC Channel Banks, DSLAM Modem Ports, ATM VPI/VCI, Ethernet VLANs, Router Ports, Carrier Channels, Local Switch Line Equipment and all aspects of the local access network.

Automated Assignment

MARTENS™ facility provisioning process will automatically assign the entire facilities path (inside and outside plant) from the customer premise to the switch and to the ISP for DSL services. Based on the business rules established within MARTENS™ by the carrier, the optimal technology and path will be assigned to optimize the use and capacity of the network elements.

Complete Customer Record

MARTENS™ maintains a complete record for every customer line or circuit. This record includes all inside and outside plant facilities, calling features, address, customer name, service orders, work tickets, etc.

Flow-through Centrex Provisioning

MARTENS™ delivers flow-through CENTREX provisioning, auto assignment, programming and administration of all CENTREX features down to the individual keys on an electronic business set.

xDSL Provisioning

MARTENS™ administers and automatically assigns all versions of xDSL. Network elements such as NGDLC, DLC, DSLAM and carriers, and their attributes are user-defined in the MARTENS™ inventory. MARTENS™ facility inventory process includes identifying which facilities can support or not support DSL services, including the subscriber address. In addition, DSL interference thresholds can be specified to provide warning that other services being assigned may affect existing or new DSL services. MARTENS™ assigns DSL service by the user simply identifying what type of DSL service is desired.

Inside Plant Management

Classes of service and features/options are inventoried in MARTENS™ including the attributes required to support the services and features, such as which switches, types of telephone numbers, etc. During the assignment process, if a product or service is not supported in the serving area of the customer, the customer service representative will be automatically notified.

Hunt Group Processing

All aspects of directory number and line-equipment number hunt groups can be established and maintained in MARTENS™. Hunt group members are linked within MARTENS™, so if an inquiry is made on one member of a hunt group the other associated members can also be viewed.

DID/DOD Provisioning

MARTENS™ also supports the provisioning of DID/DOD services. Local access facilities required to support DID/DOD trunks can be automatically assigned in MARTENS™. The DID/DOD number and trunk number are associated with the facilities along with the customer's name and the terminating location. In addition, blocks of DID numbers are provisioned in MARTENS™ and a record is kept as to which blocks of numbers have been allocated to which customers.

Professional Services

SaskTel International's work doesn't end with the product. We can also assist you with implementing and deploying the product, help you integrate it into your existing infrastructure, and provide expert consulting, ongoing support and training.

We offer:

- Implementation consulting
- Integration services
- Operating environment consulting
- Project management
- Optional Tier 1 support
- Optional Service Bureau