

## BizSwitch Meter Management

The BizSwitch Meter Management System facilitates the management of energy meters including prepaid electricity meters through a web based interface. Additionally, it features customer information and customer agreement management, tariff management, auxiliary account management (i.e. debt collection) as well as the handling of meter operations including engineering token management.

BizSwitch is iPay's flagship suite of products used in its SAAS (Software As A Service) offerings.

SAAS offerings are based on iPay's BizSwitch Token Generation, BizSwitch Meter Management and BizSwitch Vending (i.e. transaction switching) systems. Any customer wishing to run a token generation, meter management and/or prepaid electricity vending business can leave the hosting and managing of the technology to iPay, allowing the customer to concentrate their resources on other aspects of the business.

### HOW DOES IT WORK?

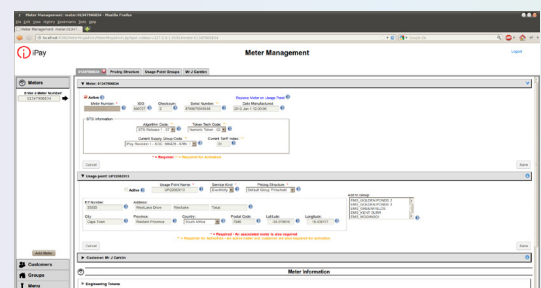
The BizSwitch Meter Management System is modelled on CIM (the Common Information Model) and as such it adheres to CIM standards.

CIM is a standard developed by the electric power industry that has been officially adopted by the International Electrotechnical Commission (IEC). The IEC 61968 standard applies. CIM aims to enable individual components of a larger utility system to communicate using a common language. It defines the messages used by different systems to communicate, both within a utility and between utilities.

The BizSwitch Meter Management Website provides municipalities and utilities with the ability to manage meters and customers in real time. It provides a modern user interface with rich interactivity. The system is based on the principles of simplicity and ease-of-use, while at the same time being comprehensive. Lessons learnt from many years of experience in the sector have been employed in the design of the BizSwitch Meter Management System.

### INCLUDED FUNCTIONALITY:

- 1 Meter asset management, including adding new meters, importing meters and modifying and assigning meters to groups. Supports hierarchical grouping
- 2 Customer information and customer agreement / contract management
- 3 Importing of customer data
- 4 Tariff creation and tariff management
- 5 Auxiliary account management (i.e. debt collection)
- 6 Meter operations management including engineering token management
- 7 Reports: Built-in plus customisable add-ons
- 8 Thin Prepayment
- 9 Support for smart meters including token-over-the-air



The BizSwitch Meter Management Website

## WHAT METERS ARE SUPPORTED?

All meters that are certified STS compliant are supported. Support for selected smart meters via an appropriate MDC is available.

What is STS? STS (Standard Transfer Specification) is a secure message system for carrying information between a vending system and a prepaid electricity meter. Examples of manufacturers of supported STS compliant prepaid electricity meters are:

- Itron
- Conlog
- Landis + Gyr

Prepaid electricity meters are either imported into the system as a batch - in CSV format, or they are loaded into the system by entering the meter details via the website.



A keypad-based prepaid electricity meter



A prepaid smart meter

## BIZSWITCH TOKEN GENERATION SYSTEM

The BizSwitch Token Generation System handles the generation of STS tokens. It makes use of an HSM (Hardware Security Module) such as a Prism TSM500 in order to generate tokens.

All security features that are standard in STS - including the high level built-in security obtained through using an HSM - are included in the BizSwitch Token Generation System.

## INTEGRATION

iPay's proven and trusted BizSwitch technology provides a comprehensive, secure and easy-to-use meter and customer management system. Seamless integration with, on the one hand, BizSwitch Token Generation and, on the other hand, BizSwitch Vending, together with POS terminals, constitutes a complete "end-to-end" solution that can cater for all a utility's prepaid needs.

## WHY CHOOSE A SAAS SOLUTION?

Utilities are increasingly relying on retailers, third parties and dedicated service providers to help simplify and secure key functions - including token generation, meter management, customer management and revenue collection processes. The BizSwitch Meter Management System combined with BizSwitch Token Generation and BizSwitch Vending is the perfect technology for such parties to manage their business, thereby improving the utility's revenue collection.

## WHY CHOOSE BIZSWITCH METER MANAGEMENT?

- Features:
- CIM based
  - Integrated solution
  - Security and Audit-ability
  - Simple and complex operation
  - Modern user interface with rich interactivity
  - Grouping support
  - Performance/Scalability
  - Translation support (i.e. multi-language)

