

Orga Systems.

#1 choice for real-time charging and billing



OPSC® Prepaid

Real-time Billing for all Prepaid Services

Orga Systems delivers an integrated suite of real-time billing products for flexible rating and charging, convergent payment methods, revenue control and the facilitation of an improved customer experience. As one of the pioneers and inventors of real-time billing, Orga Systems has been providing end-to-end Billing and Customer Care (BCC) systems to telecommunications companies since 1994. Our product philosophy for real-time billing solutions says it all: Bill Anything-Anytime-Anywhere.

OPSC® Prepaid / IN Real-time Billing

Real-time Billing for all Prepaid Voice & Data Services

The OPSC® Prepaid System is Orga Systems' proven and highly scalable real-time charging platform for all networks and all prepaid voice and data services. Additional self-care and recharge applications and the Orga Bonus Management System (OBMS)

can be easily integrated to extend the scope of OPSC® Prepaid, making it a powerful solution suite. In concert with Orga Systems' SCP (Service Control Point) and NGCP (Next Generation Control Point) it provides a versatile, high-performance prepaid

solution for attractive data, voice and content offerings.

Its strong multiclient capability allows operators to run virtual network operators as well as their own offering on the OPSC® Prepaid platform.

OPSC® Prepaid as part of Orga Systems' suite of real-time billing products:



IT based real-time billing

benefits that speak for themselves

OPSC® Prepaid is an IT-based real-time billing platform with an impressive, cutting-edge architecture and extremely great flexibility.

Under the Orga Systems architecture the call control functionality of the SCP (Service Control Point) is clearly separated from customer administration and billing in the SDP (Service Data Point), namely the OPSC® Prepaid.

Your benefit: As a standalone Billing System, OPSC® Prepaid enables far greater flexibility and better scalability than that offered by traditional, IN-based prepaid billing solutions in which the SCP and SDP are inseparably linked to each other.

Whether it's 500,000 or 30 million – the highly scalable and flexible OPSC® Prepaid system administers

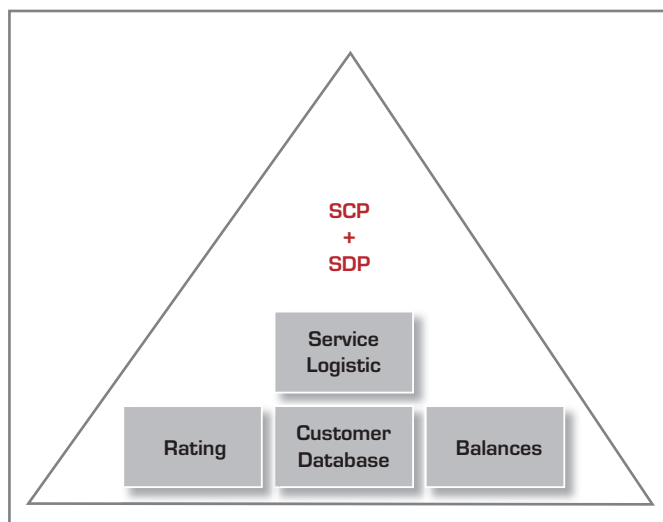
and bills all prepaid subscribers of a mobile telecommunications provider in real time.

OPSC® Prepaid supports the most important network providers, including Ericsson, Nokia, Alcatel, Siemens and Nortel. It is also operated successfully in multi-network environments (e.g. GSM & TDMA).

Traditional:

IN-based prepaid solutions

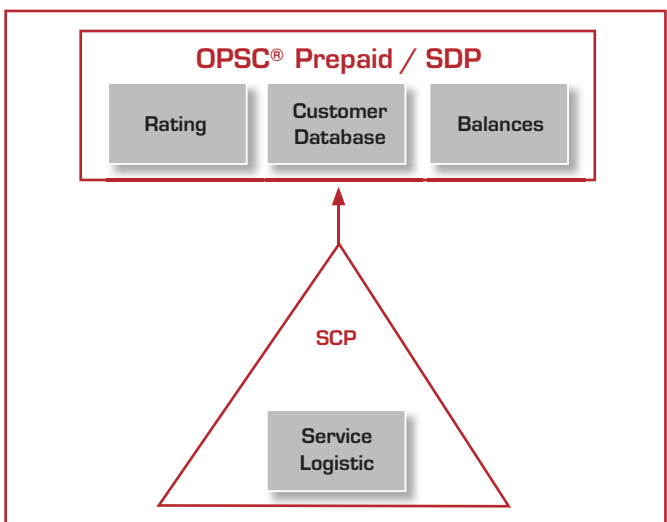
Inflexible – SCP with integrated Rating & Charging



OPSC® Prepaid:

IT-based prepaid solutions

Highly flexible & scalable – SCP plus OPSC® Prepaid as Service Data Point (SDP)



OPSC® Prepaid

— variety in real time —

The OPSC® Prepaid system offers mobile network operators particularly great freedom for generating attractive services for prepaid subscribers.

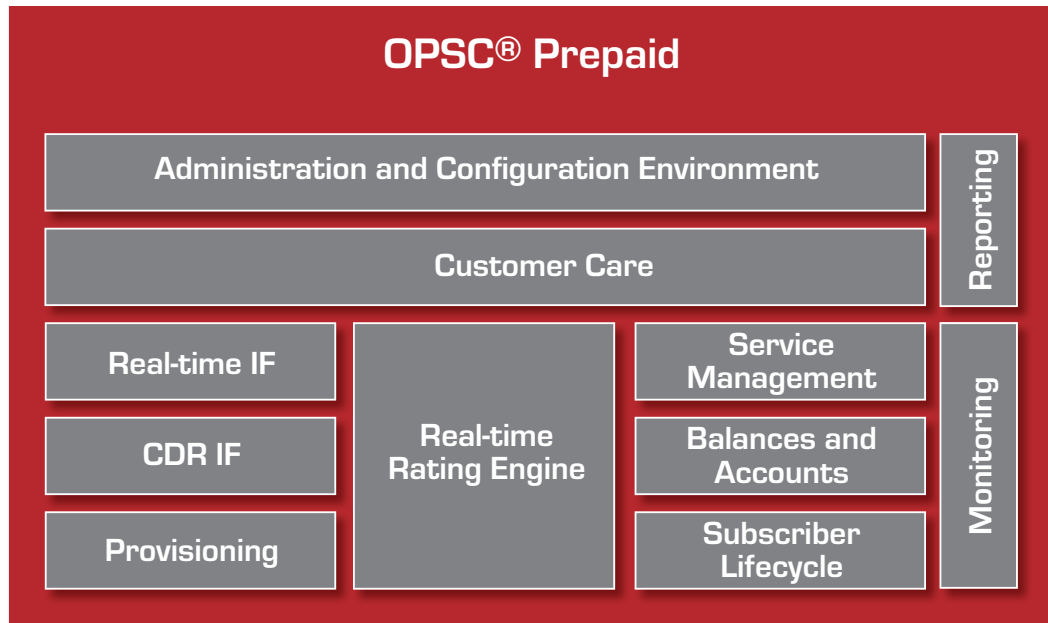
The highly flexible Real-time Rating Engine enables products to be tailored to specific target groups, such as home zone tariffs or Friends & Family and bonus programs. In addition to voice services, OPSC® Prepaid can rate and charge data services (GPRS, UMTS, HSxPA, WLAN) and content in real time.

Customized user management is performed fully automatically in OPSC® Prepaid by means of the integrated Subscriber Lifecycle and administration of Balances & Accounts.

In addition, OPSC® Prepaid initiates notifications to subscribers, handles the provisioning of subscribers in the network and offers optimized interfaces for call detail records (CDRs) and real-time IN technology.

Extensive additional functionalities, such as the Customer Care Client (CCC), Tariff Configuration via the Prepaid Administration and Configuration Environment (PACE), the Reporting Tool and the Orga Service Manager (OSM), supported by innovative technologies, offer service providers excellent opportunities to design attractive services and tariffs for their prepaid subscribers.

OPSC® Prepaid in detail:



OPSC® Prepaid add ons

— real-time billing and beyond —

Tariff Configuration

The integrated tariff configuration environment PACE/T (Prepaid Administration and Configuration Environment for Tariffs) offers an easy to use, GUI-based tariff management. Main parameters for tariff creation such as time bands and rate per second are held centrally. Once created they can be reused to configure new products in a convenient manner.

Orga Service Manager

The Orga Service Manager (OSM) enables mobile communications providers to administer all value added services for their prepaid subscribers. With the Orga Service Manager, additional services can be offered once or as a subscription and charged to the subscriber. In this way, the operator generates extra revenue and wins new customers with attractive service offerings.

Customer Care Client

The Customer Care Client (CCC) is a Windows-based PC application and has been specially developed for use in customer care service centers. Customer care staff can query and replenish subscriber accounts with the aid of the intuitive menu structure, create call lists, administer subscriber data and create reports on subscriber histories.

Statistic & Reporting Tool

The OPSC® Prepaid statistics package offers extensive functionalities for analyzing and reporting on subscriber data. For example, the mobile communications provider sees how many new customers it has been able to win, what offerings are most used and how much revenue has been generated. The results of the analysis can be downloaded conveniently as a PDF or MS Excel file.

Innovative Technologies:

InCore®

The InCore® In-Memory database is a solution specially developed by Orga Systems. Business Support Systems (BSS) that operate in real time, such as OPSC® Prepaid, must access data, store large volumes of data and make it available within a very short space of time. The intelligent Orga Systems solution InCore® uses a system's working memory efficiently. In this way, all processes can be handled reliably at high speed and there is no need for costly hardware.

HybridBilling™

HybridBilling™ is a technology that has been developed and patented by Orga Systems. Depending on the credit balance, prepaid subscribers are charged either on the basis of CDRs in hot billing mode or in real time via IN functionality. HybridBilling™ thus enables the combination of the cheaper hot billing method with the advantages of real-time billing, which is automatically used for subscribers who have a low credit balance and thus represent a higher credit risk for the operator. With the aid of the HybridBilling™ functionality from Orga Systems, mobile communications providers can cut costs and at the same time optimize utilization of their systems.

OPSC® Prepaid Highlights

- Standalone IT-based solution
- Real-time IN capabilities for all voice, data and content services
- High scalability & stability
- Best support of multiple network and systems technologies
- Broad range of complementary applications (Bonus Management, Recurring Charges, Voucher Management, Self Care, etc.)

flexible rating for all services

tailored tariffs for your customers

Prepaid is a major growth driver in today's mobile communications markets. Yet particularly in the prepaid sector, there is often fierce competition from new market players such as MVNOs and service providers. A customer-oriented, attractive range of products becomes a decisive criterion

in the battle for subscribers and revenue.

With OPSC® Prepaid and its wide range of functionalities, mobile communications providers have the best conditions for meeting these market requirements.

The following list of use cases provides an overview of what are currently the most successful prepaid tariffs on the market. All of them can be handled by OPSC® Prepaid.

Flat rate	One price for all, around the clock. Currently the most popular prepaid tariff.
On/off-peak	The price of a service depends on the time of day and/or day of the week.
Family & Friends	The subscriber defines a small group of persons and can call them at lower prices.
On/off-net	Use of the provider's own network is made attractive by favorable terms.
Hybrid	Contractual monthly style payment but with the cost control functionality of a prepaid plan.
Length of call	A lower rate per minute is charged the longer a call lasts.
Volume discount	The rate per minute depends on the revenue generated with the subscriber. The more revenue, the cheaper the tariff.
Home zone	A fixed (cheaper) price per minute applies to all calls that the subscriber makes from his or her previously defined home zone.
Add-on bundles	The operator offers a basic tariff that the subscriber can supplement with individual additional service bundles (SMS, MMS, etc.).
Tariff segmentation	Individualized tariffs for different target groups.

additional applications

Additional Applications & Supplementary Products

OBMS – Bonus Management System OBMS is Orga Systems' highly flexible marketing tool for special promotion and customer loyalty campaigns. It provides unique features to drive ARPU, stimulate VAS take-up and fight churn.

OVSC – Voucher Service Center OVSC is a high-performance voucher management solution that creates and manages secret voucher codes. It can be easily integrated with billing and voucher printing systems from different vendors and provides a secure prepaid voucher solution.

NGCP – Next Generation Control Point Unifying management of complex subscriber profiles and charging rules as well as fine-grained policy management in one single platform, NGCP unlocks the total power of mobile services.

SCP – Service Control Point Orga Systems' SCP for advanced IN / CAMEL based services is perfectly integrated with both OPSC® billing systems. It enables real-time call control and online charging for all call types and prepaid roaming services.

Virtual Voucher Orga Systems' voucherless recharge solution is an ideal application for boosting sales and reducing logistic costs. It enables distributors and dealers to sell secure prepaid top-ups using a standard GSM handset as a vending device.

Customer Self-Care Applications Orga Systems' messaging platform for wireless self-care and information queries enables convenient self-care applications, including account query and top-up, administration of frequent numbers, bonus information and self-registration.

Give Me Money Orga Systems' unique top-up solution enables prepaid customers to request additional credit from pre- or postpaid accounts and to carry out a virtual recharge.

Call Back With Orga Systems' USSD Call Back solution, mobile operators can offer prepaid roaming services even in networks without CAMEL technology.

Call Me Orga Systems' Call Me application provides a "pay for me" function similar to a collect call feature. It allows prepaid subscribers to initiate a mobile call with "zero credit."

Selected References

[Avea, Turkey](#) | [Bouygues Telecom, France](#) | [Entel PCS, Chile](#) | [Geocell, Georgia](#)

[Kcell, Kazakhstan](#) | [mobilkom austria, Austria](#) | [Moldcell, Moldova](#) | [Si.mobil, Slovenia](#)

[Sunrise, Switzerland](#) | [Telecom Personal, Argentina](#) | [TIM Brazil, Brazil](#)

[TIM Italy, Italy](#) | [yallo, Switzerland](#) | [Vip mobile, Serbia](#)

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