



RATING AND BILLING SYSTEM





“ ARECA IS T2 SOFTWARE’S RATING AND BILLING SOLUTIONS FOR SERVICE PROVIDERS ”

Areca is a near real time rating and invoicing system which can support multiple Telecom Voice products (PSTN, ISDN, GGAC, etc.) with flexible, scalable, around-the-clock architecture. Customers can query actual usage and invoice values any time.

Same rating and billing engine supports both retail and wholesale line operations.

Customers can query actual usage and invoice values at all times. Areca sends E-mail and SMS notifications to registered customers when their current invoice total exceeds predefined threshold values.

It supports both online and offline (batch) end-to-end billing operational cycles.

Success Story

- 100 K CDR Processing per second
- 1 Billion CDR per month
- 30 hours of legacy processing time decreased to 6 hours
- Invoice operation steps decreased from 30 to 10
- 15 Million satisfied customers

All standard product/service charges (Initiation, Periodic, Termination, Suspension, Periodic Suspension, Re-activation, Usage) are taken in to consideration. Other types of charges that may depend on information such as country, location and business situation can be easily inserted.

In case of any problems with the billing execution cycle, ARECA allows the operators to identify the problem and rollback to the most appropriate step. Thanks to the multi-step operational approach, problems can be fixed at a minimal cost.

It is possible to invoice more than one type of product. Areca allows service providers to define bundle offers and discounts among different products. Areca has the capabilities to invoice fixed land lines, bundle SMS packages, Wimax and Mass IVT products. An example of a campaign slogan is “Get 100 SMS free when you have 100 units of phone talk!”

Areca supports the Customer -> Account -> Service/Product hierarchy. This allows it to support complex customer and product models. Simple and Bundle Product offers also align with Areca’s current architecture. It is possible to manage compatibility and eligibility rules. Areca contains commitment and installment modules.

When a customer violates commitments, all applicable benefits are reflected in the current invoice. Areca also manages installment payments.

ARECA, maintains taxation rules and regulations.

Rule-based taxation module (currently configured for Turkish regulations) can define tax levels and tax exception criteria. Defining special taxation schema on top of regular taxation is also supported.

Areca is currently fine-tuned to Price and Billing Catalogue of Turk Telekom services, but it is flexible enough to adapt to future requests. It supports interoperability with external systems such as CRM and Product Catalogue.

Logging infrastructure permits readable logs regarding all transactions with external systems.



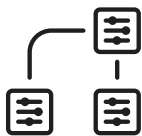
Package and Invoice Upper Limit Threshold



High Performance



Highly Scalable



Complex customer and product model



Composite Invoicing

Areca Features

- 24/7 Architecture
- Real Time CDR Rating
- High scalability
- High Performance (Up to 100 K CDR/Seconds)
- Advanced Customer and Product model: Hierarchy Customers, Account and Product Model Support
- Composite invoicing; Pre-Paid and Post-Paid tariffs
- Flexible rating structure
- Strong connection with other systems via web services

Customers Benefit From

- Fast and flexible rating engine
- Minimized operational and maintenance cost
- Embedded account threshold control
- Invoice Upper limit control
- In case of threshold and upper limit violation E-mail and SMS notification
- Real Time tariffs and package usage queries
- Instance invoice queries



T2 SOFTWARE

t2.com.tr , info@t2.com.tr

T +90 (312) 266 6606 / F +90 (312) 266 6766

*Bilkent Cyberpark Vakıf B. Z 02-03
06800 Çankaya / Ankara / TURKEY*